

# BRANDYWINE HEIGHTS AREA SCHOOL DISTRICT

## PROGRAM OF STUDIES 2024–2025

*BRANDYWINE HEIGHTS HIGH SCHOOL*

Mr. Matthew Dziunycz, Principal

Mr. William Ostroski, Assistant Principal





## MISSION

**Students First: Empower & Inspire to Reach New Heights**

## VISION

**Brandywine Heights...**

Uniting students, staff, and community to engineer a culture of learning where each student discovers passion and purpose.

## CORE VALUES

### Whole Child Approach

- Ensuring each student is healthy, safe, engaged, supported, and challenged to be resilient and persevere

### Integrity

- Developing a strong character to foster honesty, productivity, responsibility and independence as citizens

### Culture of Learning

- Creating engaging, personalized, and diverse learning opportunities to reach individual student interests and future needs

### Relationships

- Building a mutually respectful community

### Community

- Fostering healthy partnerships between home, school, and community



# BRANDYWINE HEIGHTS AREA SCHOOL DISTRICT

## SCHOOL BOARD

Mrs. Alexis Eisenhart ..... Vice President  
Mr. Kenneth Heffner ..... Member  
Mr. Brian Hohenshilt ..... Member  
Mrs. Elizabeth Huhn ..... Member  
Mr. Matthew Reitenauer ..... Member  
Mr. John Scheetz ..... Treasurer  
Mr. Zachary Stubits ..... Member  
Mr. Michael Wagaman ..... President  
Mrs. Laura Walizer ..... Member

## DISTRICT OFFICE

Mr. Andrew Potteiger ..... Superintendent  
Mr. Robert Farina ..... Assistant to the Superintendent  
Mrs. Mandi Kercher ..... Director, Pupil Services  
Ms. Nicole DelGuerico ..... Director, Business Operations  
Mr. Michael Wetzel ..... Director, Maintenance  
Mrs. Sarah Conrad ..... Director, Athletics & Facilities  
Mrs. Carly Knecht ..... Director, Learning & Technology

*The Board declares it to be the policy of this district to provide an equal opportunity for all students to achieve their maximum potential through the programs offered in the schools regardless of race, color, creed, religion gender, sexual orientation, ancestry, national origin or handicap/disability. Inquiries should be directed to the Superintendent's office, Brandywine Heights Area School District, 200 W. Weis St., Topton, PA 19562 or call (610) 682-5100.*

# BRANDYWINE HEIGHTS AREA SCHOOL DISTRICT

## MAIN OFFICE STAFF

Mr. Matthew Dziunycz ..... Principal

Mrs. Laura Farkas ..... Administrative Assistant  
..... Ext. 2002

Mr. William Ostroski ..... Assistant Principal

Mrs. Lisa Renner ..... Administrative Assistant  
..... Ext. 2003

## GUIDANCE OFFICE STAFF

Ms. Amy Yusella ..... Counselor  
..... Students A-L

Mr. Adam Beacker ..... Counselor  
..... Students M-Z

Mrs. Anne Moll ..... Transition Coordinator

Ms. Lori Miller ..... Administrative Assistant  
..... Ext. 2010

## VIRTUAL ACADEMY STAFF

Mrs. Carolyn Hanych ..... Director

Mrs. Laura Farkas ..... Administrative Assistant  
..... Ext. 2030

Mrs. Heidi Hoffstetter ..... Program Assistant  
..... Ext. 2051

## ATHLETIC OFFICE STAFF

Mrs. Sarah Conrad ..... Director

Miss Emily Netterville ..... Assistant to the Athletic Director  
..... Ext. 2501

*A Letter from the High School Administration*

---

**Brandywine Heights Area School District**

103 Old Tipton Road, Mertztown PA 19539 ~ Phone: 610-682-5102 ~ Fax: 610-682-5139

Dear Brandywine Heights High School Families,

Today your student is faced with a multitude of important choices to make, pathways to navigate, and options presented to them in regard to not only their education here, but as they prepare to enter the world outside of Brandywine Heights High School. Whether your student seeks admission to college, wishes to enter the workforce directly, plans to serve our country by entering military service, or chooses a combination of any of these things, our goal is to be able to provide the support and foundation for the success of your student along any pathway they may choose.

This year's edition of the Brandywine Heights High School Program of Studies is designed to continue to serve as a roadmap of the various pathways we offer here at the high school to best suit the needs and goals of our students as they prepare for whatever may come next for them within our walls academically, or beyond if they are preparing for life after graduation. We are proud of the variety of courses available to our students, as well as for the opportunity to work with our students to help guide them however they may need towards a path that ensures their future successes.

We strive to provide our students with the social tools, problem-solving skills, leadership opportunities, conflict resolution strategies, and personal management competencies that colleges, recruiters, and employers will all utilize to make a positive impact on the community and our world, all while offering our students as much flexibility and choice in choosing the appropriate path for each student that we can. Please take the time to review the courses available for your student or students, and then encourage and help them to select courses that will assist in the skill set that they will need to both challenge them to grow academically and socially as well as to support them throughout their time here at the High School. The classes that our students take now will foundationally prepare them for whatever may come next for our students in their lives.

We cannot thank you enough for partnering with us to create our students' best possible educational experiences. We are proud every day of our students here, and we look forward to the opportunity to work together.

Sincerely,

Matthew J. Dziunycz  
Principal

William S. Ostroski  
Assistant Principal

# TABLE OF CONTENTS

<b>GRADUATION REQUIREMENTS/ GPA CALCULATION</b>	1
OVERALL REQUIREMENTS	1
CULMINATING PROJECT REQUIREMENT	1
PROMOTION REQUIREMENTS	2
PLANNED INSTRUCTIONAL REQUIREMENTS	2
REQUIRED COURSES	3
RIGOR IN COURSE SELECTION	4
GRADE REQUIREMENTS	4
DIPLOMA STATEMENT	4
GRADE POINT AVERAGE	4
TYPE ONE: QUARTERLY HONOR ROLL GPA	5
TYPE TWO: CUMULATIVE GPA	5
PA CORE STANDARDS REQUIREMENT	6
LATIN HONOR SYSTEM	6
GRADUATION REQUIREMENT DECISION FLOW CHART	7
NATIONAL HONOR SOCIETY MEMBERSHIP CRITERIA	8
HONOR ROLL REQUIREMENTS	8
DUAL ENROLLMENT COURSES	8
ADVANCED PLACEMENT (AP) COURSES	8
GIFTED SUPPORT COURSES	9
LEARNING SUPPORT COURSES	9
OFF-SITE COURSES	9
NCAA GUIDELINES	9
<b>COURSE REGISTRATION</b>	10
GUIDELINES FOR PROGRAM PLANNING	10
GUIDELINES FOR SUMMER SCHOOL	10
GUIDELINES FOR SCHEDULE CHANGES	11
<b>CAREER PATHWAYS</b>	12
ART & HUMANITIES CAREER PATHWAY	13
BUSINESS CAREER PATHWAY	14
ENGINEERING & INDUSTRIAL CAREER PATHWAY	15
HEALTH, SCIENCE & HUMAN SERVICES CAREER PATHWAY	16
<b>BERKS CAREER &amp; TECHNOLOGY CENTER</b>	17, 18
TECHNICAL ACADEMY	19
APPLICATION PROCESS	19
MEDICAL HEALTH PROFESSIONALS PROGRAM	19
<b>COURSE OFFERINGS</b>	20
ART	21–24
BUSINESS & COMPUTER TECHNOLOGY	25–30
DRIVING	31
ENGLISH	32–36
GIFTED	37
HEALTH & PHYSICAL EDUCATION	38–40
INDUSTRIAL ARTS	41, 42
MATHEMATICS	43–46
MUSIC	47–50
PROJECT LEAD THE WAY/PRE-ENGINEERING PROGRAM	51–53
SCIENCE	54–60
SOCIAL STUDIES	61–64
WORLD LANGUAGES	65–67
<b>BRANDYWINE HEIGHTS VIRTUAL ACADEMY</b>	68–71
<b>ADMINISTRATION &amp; FACULTY</b>	72–74

In order to be eligible for graduation from the Brandywine Heights Area School District, a student must complete the required courses of instruction with passing grades, successfully be promoted from grade to grade, complete a culminating project and demonstrate mastery of the PA Academic Standards. These requirements are further described below.

### OVERALL REQUIREMENTS

In December of 2020, The Brandywine Heights Area School District adopted new graduation requirements applicable beginning with the graduating class of 2025. Every Brandywine Heights High School student is responsible for completing 3 tiers of requirements to be considered eligible for graduation. These tiers have been established at the school district and Commonwealth Level (as per the Pennsylvania Department of Education). Each BHHS student will complete the following as overviewed below.

Credit Requirements	Keystone Pathway	Service Project
25	YES	25 total hours, 100 to graduate with distinction

### CULMINATING PROJECT REQUIREMENTS

In an effort to encourage our students to develop habits of lifelong volunteerism, the completion of a service project will be required for all graduates of Brandywine Heights High School. At Brandywine Heights High School, the Graduation Project will consist of the completion of 25 hours of community service. Should a student achieve 100 hours of community service throughout their High School years, they will graduate with a mark of PASS WITH DISTINCTION. All seniors who obtain a PASS WITH DISTINCTION mark will receive special recognition on report cards and during commencement exercises.

### PROMOTION REQUIREMENTS

To be considered a(n)...	...a student must obtain...
10th grader (sophomore)	6.0 credits
11th grader (junior)	12.0 credits
12th grader (senior)	18.0 credits
<b>Graduation</b>	<b>25 credits</b>

### PLANNED INSTRUCTIONAL REQUIREMENTS

<i>Electives</i>	7.0 credits
<i>English</i>	4.0 credits
<i>Mathematics</i>	4.0 credits
<i>Science</i>	4.0 credits
<i>Social Studies</i>	4.0 credits
<i>Wellness/Fitness</i>	1.0 credit
<i>Career &amp; Financial Planning</i>	.5 credit
<i>Freshmen Seminar</i>	.5 credit
<b>TOTAL</b>	<b>25.0 credits</b>



## REQUIRED COURSES

## Freshman Seminar – Course #H0701

GRADES: 9

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** This course is designed to help students successfully transition to the high school and prepare for their futures. Offering a comprehensive analysis of different types of essential study skills, learning styles, and motivation, this one-semester course encourages 9th grade students to take control of their learning by exploring varying strategies for success and to make informed decisions about their future academic and occupational goals. Through direct instruction, interactive skill demonstrations, and practice assignments, students learn important study skills such as strategies for taking high-quality notes, memorization techniques, and test-taking strategies. Students also develop plans for career and academic development. Instruction on how to be a responsible online learner is threaded throughout the course, and these skills are directly addressed in lessons on cyberbullying, staying safe online, and learning how to be a digital leader. A basic understanding of software and hardware and how to troubleshoot common technology issues are also taught. By the end of the course, students will have the tools they need to be academically successful in both traditional and digital learning environments.

## Career & Financial Planning – Course #H0702

GRADES: 11,12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** This course is designed to strengthen students' financial knowledge and career-oriented skills in an effort to prepare students for their post-high school life. Students will learn the skills and concepts needed to gain personal and financial responsibility related to financial planning, savings, investments, and charitable giving in the global community by exploring the relationship between income and careers, money management, credit and debt management, risk management and investing, protecting assets and insurance, taxes, and becoming a critical consumer. Students will be given the opportunity to see how their decisions now can drastically affect future success. Instruction will be provided both in-person, as well as virtually through the use of project-based, authentic learning experiences. These experiences will develop their ability to think critically in order to make informed decisions.

## RIGOR IN COURSE SELECTION

Students are encouraged to select courses that will hone the skill sets they already possess and develop new skill sets useful in their intended area of work or study. The competitive environment outside of high school uses various assessment measures when comparing students. Please familiarize yourself with how these are calculated so you can make intelligent course selections that match your future goals. Certain courses are “weighted” courses, indicating a higher level of rigor/expectation which ultimately lead to more quality points for a similar grade as opposed to taking a non-weighted course. Please see your guidance counselor for any specific questions.

### GRADE REQUIREMENT

Students must achieve a passing percentage in each of the required planned instruction areas. A minimum score of 60% is needed in order to pass any course.

### DIPLOMA STATEMENT

A diploma from Brandywine Heights High School signifies that a student has successfully fulfilled all graduation requirements. It does not in itself ensure admission to college or other institutions of advanced study. A high school transcript is an official statement of academic achievements.

## GRADE POINT AVERAGE

Grade Point Averages (GPA) are used for two different purposes at BHHS and are computed differently according to these purposes. The first purpose of the GPA is to determine the quarterly honor roll. This computation, called Type One, is computed four times a year and is not weighted. The second purpose of the GPA is to determine the cumulative GPA for the year. This computation, called Type Two, is computed once at the end of the year and is weighted. The table below is provided for reference in determining these two types of GPA.

Letter Grade	% Grade Range		Quality Pts
A+	97	100	4.33
A	93	96	4
A-	90	92	3.67
B+	87	89	3.33
B	83	86	3
B-	80	82	2.67
C+	77	79	2.33
C	73	76	2
C-	70	72	1.67
D+	67	69	1.33
D	63	66	1
D-	60	62	.67
F	0	59	0

Course	%		Quality pts		Credit		Results
Honors English 11*	95	=	4.00	x	1.00	=	4.000
Trigonometry	88	=	3.33	x	0.50	=	1.665
Shakespeare	91	=	3.67	x	0.50	=	1.835
Anatomy & Physiology*	90	=	3.67	x	1.16	=	4.257
History III	94	=	4.00	x	1.00	=	4.000
Introductory Statistics	91	=	3.67	x	0.50	=	1.835
Chemistry I	92	=	3.67	x	1.16	=	4.257
Concert Choir	98	=	4.33	x	1.00	=	4.330
Lab - Instrumental Music	98	=	4.33	x	0.16	=	0.693
Lab - Phys Ed	95	=	4.00	x	0.16	=	0.640
Lab - Instrumental Music	98	=	4.33	x	0.16	=	0.693
Lab - Phys Ed	95	=	4.00	x	0.16	=	0.640
					7.46		28.845
$28.845/7.46 = 3.866$							
Honor Roll GPA= 3.866							

**TYPE ONE:  
QUARTERLY  
HONOR  
ROLL GPA**

- Honor roll GPA is not weighted.
- Honor roll is not cumulative. It is computed using percentages from only the current quarter.
- The above chart is given for rough calculations only. The BHHS student management system uses 4 decimal places in calculating the honor roll GPA, while this chart only shows 2 decimal points, resulting in very slight discrepancies.
- Pass/Fail courses are not included in honor roll GPA calculations.
- To calculate honor roll GPA, multiply the quality points for the corresponding percentage earned and the credit for each course. Total the results and divide by the total number of credits.

Course	%		Quality pts		Credit		Weight		Results
Honors English 11*	95	=	4.00	x	1.00	x	1.2	=	4.800
Trigonometry	88	=	3.33	x	0.50	x	1.0	=	1.665
Shakespeare	91	=	3.67	x	0.50	x	1.0	=	1.835
Anatomy & Physiology*	90	=	3.67	x	1.16	x	1.2	=	5.109
History III	94	=	4.00	x	1.00	x	1.0	=	4.000
Introductory Statistics	91	=	3.67	x	0.50	x	1.0	=	1.835
Chemistry I	92	=	3.67	x	1.16	x	1.0	=	4.257
Concert Choir	98	=	4.33	x	1.00	x	1.0	=	4.330
Lab - Instrumental Music	98	=	4.33	x	0.16	x	1.0	=	0.693
Lab - Phys Ed	95	=	4.00	x	0.16	x	1.0	=	0.640
Lab - Instrumental Music	98	=	4.33	x	0.16	x	1.0	=	0.693
Lab - Phys Ed	95	=	4.00	x	0.16	x	1.0	=	0.640
					7.46				30.496
$30.496/7.46 = 4.087$									
Cumulative GPA= 4.087									

**TYPE TWO:  
CUMULATIVE  
GPA**

- To calculate the cumulative GPA, multiply the quality points for the corresponding percentage earned AND the credit for the course AND the weighting of the course.
- Regular courses have a weight of 1.0. Weighted courses have a weight of 1.2 (weighted courses such as Honors and AP are given a weight or value as to reflect a more rigorous course expectation).

### PA CORE STANDARDS REQUIREMENT

Pennsylvania ACT 158, the statewide graduation requirement. Beginning in the 2022-23 school year, the statewide graduation requirement applied, as did any other locally-established policies and requirements. Additionally, Keystone Exams are the statewide assessment that Pennsylvania uses to comply with accountability requirements in the federal Every Student Succeeds Act (ESSA). Each state is expected to achieve 95 percent participation on its statewide exams.

Students can meet the statewide graduation requirement by:

- Scoring proficient or advanced on each Keystone Exam - Algebra I, Literature, and Biology.
- Earning a satisfactory composite score on the Algebra I, Literature, and Biology Keystone Exams. The passing composite score will be available in August 2022.
- Earning a passing grade on the courses associated with each Keystone Exam, and satisfactorily complete one of the following: an alternative assessment (SAT, PSAT, ACT, ASVAB, Gold Level ACT WorkKeys), advanced coursework (AP, IB, concurrent enrollment courses), pre-apprenticeship, or acceptance in a 4-year nonprofit institution of higher education for college-level coursework.
- Earning a passing grade on the courses associated with each Keystone Exam, and pass the National Occupational Competency Testing Institute (NOCTI) or the National Institute of Metalworking Skills (NIMS) assessment in an approved Career and Technical Education concentration.
- Earning a passing grade on the courses associated with each Keystone Exam, and demonstrate readiness for postsecondary engagement through three pieces of evidence from the student's career portfolio aligned to student goals and career plan. Examples of evidence will include ACT WorkKeys, SAT Subject tests, AP, IB and concurrent coursework, higher education acceptance, community learning project, completion of an internship, externship or co-op or full-time employment.

### LATIN HONOR SYSTEM

In 2018, a seventeen person committee recommended changes to the district approach to class rank at the High School. Class rank has been eliminated beginning with the Class of 2019 (and all classes after) and Brandywine Heights High School has transitioned to the Latin Honors System for recognizing the academic achievement of our graduating students. Clear-cut benchmark G.P.A.'s have been established moving forward to earn the distinction of graduating Summa Cum Laude, Magna Cum Laude, or Cum Laude. As class rank has been eliminated, the titles of Valedictorian and Salutatorian have also been eliminated. The team believes this change will benefit more students, overall, and improve the stress and anxiety levels associated with the former class rank system. The team also believes the change will benefit more students in their post-secondary pursuits, as universities and other institutions will need to take a more holistic approach with our students as opposed to looking at one specific number.

Summa Cum Laude

4.35

Magna Cum Laude

4.20

Cum Laude

4.00



**Graduation Requirement Decision Flow Chart (2023+)**



**Keystone Proficiency PATHWAY**

Meets proficiency or advanced on each of the Keystone Exams

- Algebra I
- Biology
- Literature

**Keystone Composite PATHWAY**

Demonstrate proficiency by earning a satisfactory composite score on the Algebra I, Literature, and Biology Keystone Exams of 4452

Must achieve at least a proficient score on one of the three exams and no less than a basic score on the remaining two

**CTE PATHWAY**

1. Successful completion of Keystone course
2. **AND** the attainment of **one** of the following:
  - a. An industry-based competency certification
  - b. Demonstration of a high likelihood of

- c. Readiness for continued meaningful engagement in the CTE concentrator's program of study

**Alternate Assessment PATHWAY**

1. Successful completion of Keystone course
2. **AND** the attainment of **one** of the following:
  - a. Established score on an approved alternate assessment (SAT, PSAT, ACT, ASVAB, AP, IB)
  - b. Successful completion of a concurrent course

- c. Successful completion of a pre-apprenticeship program
- d. Accepted in an accredited 4-year nonprofit institution of higher education and have evidence of the ability to enroll in college-level coursework

**Evidence Based PATHWAY**

1. Successful completion of Keystone course
2. Three pieces of evidence consistent with the student's goals and career plans

**Other PATHWAY**

1. Graduation based on IEP team decisions based upon academic goals
2. Superintendent's waiver for students with extenuating circumstances (5%)

Need more information?  
Contact your student's school office  
Visit [www.bhasd.org](http://www.bhasd.org)

Developed in cooperation with  
Berks County School Districts.

## NATIONAL HONOR SOCIETY MEMBERSHIP CRITERIA

Student must have a cumulative GPA of 4.0 at the end of the tenth or eleventh grade. Student must complete NHS application. Student must exemplify the four pillars of Scholarship, Character, Service, and Leadership. Faculty committee reviews applications and gives final approval for induction into National Honor Society.

## DUAL ENROLLMENT COURSES/OPPORTUNITIES FOR COLLEGE CREDIT

### HONOR ROLL REQUIREMENTS

**Honor Roll =**  
3.25 quarterly GPA or better with no failing percentages.

**Distinguished Honor Roll =**  
3.85 quarterly GPA or better with no failing percentages.

Brandywine Heights High School, in cooperation with Reading Area Community College, offers students the opportunity to obtain college credit for courses taken at BHHS. If one of our courses is deemed to be equivalent to a course offered at RACC, the course is included in the Dual Enrollment Program. Students enroll at RACC and register for the course(s) for which they wish to receive credit. Upon satisfactory completion of the course to RACC standards, the student not only receives high school graduation credit, but also college credit from RACC for their equivalent course. In many situations, the course can be transferred to the college a student attends after high school graduation. Students enrolled in an approved course will be notified of the opportunity for dual enrollment. Courses approved for dual enrollment credit are noted in the Program of Studies with (RACC Dual Enrollment). A Dual Enrollment partnership also exists between Kutztown University and Brandywine Heights Area School District where students can take Kutztown courses at a discounted rate to earn college credit. Albright College has also partnered with BHHS to offer their Science Research Institute program where students have hands-on opportunities to engage in college level research opportunities and course work. Financial assistance is also available for eligible students. Next year, BHASD has been awarded a grant from the Pennsylvania Department of Education that allows the District to pay for Dual Enrollment credits for students who qualify for free and reduced lunch. Our School District was one of two Berks County Schools to earn this grant. Please see your counselor for more information about these opportunities.

## ADVANCED PLACEMENT (AP) COURSES

Advanced Placement is a program of college-level courses and exams that gives motivated students the opportunity to get ahead by earning credit, advanced placement, or both for college while they are still in high school. The College Board provides high schools with course descriptions of college subjects and Advanced Placement Examinations in those subjects. It is an expectation that students will prepare for and sit for the national exams in the Spring for the AP courses that they select. BHHS offers a wide selection of AP courses and administers the AP exams on the nationally scheduled dated each May. *Courses include:*

AP Art History	AP English (Language & Composition)*	AP Pre-Calculus~
AP Biology*	AP English (Literature & Composition)*	AP Psychology*
AP Calculus AB ~	AP Environmental Science~	AP Spanish Language & Culture*
AP Calculus BC ~	AP European History*	AP Statistics ~
AP Chemistry*	AP French Language & Culture*	AP U.S. Government & Politics
AP Computer Science A ~	AP Human Geography*	AP U.S. History ~
AP Computer Science Principles	AP Music Theory	AP World History Modern ~
AP Drawing	AP Physics*	

Courses offered through the Virtual Academy program are marked "\*". Courses offered through both programs are marked "~". Visit [www.collegeboard.com/apstudents](http://www.collegeboard.com/apstudents) to learn more about the AP program.

### GIFTED SUPPORT COURSES

Courses for students with Gifted Individual Education Plans (GIEPs) are available at every grade level. Course selections for students with GIEPs should be made in close conjunction with the gifted support teacher and the members of the GIEP team.

### LEARNING SUPPORT COURSES

Courses for students with Individual Education Plans (IEPs) are available at every grade level. Course selections for students with IEPs should be made in close conjunction with the learning support teacher and the members of the IEP team.

### OFF-SITE COURSES

Students who exhaust course offerings within a particular subject but still need credits toward graduation in that subject may apply for approval to take an off-site course. Specific details will be shared once approval is obtained.

### NCAA GUIDELINES

During the junior year student athletes may apply to become NCAA qualifiers. Student athletes who are not qualifiers will not be eligible to compete in Division I and II athletics at the college level. For detailed, current information, visit the NCAA website or speak with the Athletic Director.



**GUIDELINES FOR PROGRAM PLANNING**

Planning a program of study each academic year is one of the most important tasks a student will complete throughout his/her career at BHHS. Students will be guided through this process by faculty, counselors and administrators. Counselors will present an overview of the program of studies book, highlighting prerequisites and course sequences. Listed below are some basic guidelines to follow when selecting courses for the next academic year:

1. Motivation, interest and aptitude are important factors to consider when selecting courses. Students are encouraged to challenge themselves with the most demanding courses they can successfully complete in a given academic year.
2. Previous levels of achievement should be reviewed to determine possible course selection. Grades, test scores and progress toward the PA academic standards are all examples of data used to inform these choices.
3. Graduation requirements must be reviewed each year to determine appropriate progress in all required subject areas.
4. Students are not permitted to schedule more than 6 periods of study hall per cycle. Counselors will review the course selections for students, advising them of an appropriate program of studies. Additionally, teacher recommendations are a valuable source of information to help students select the most advantageous course sequences. Counselors will meet with each student to review the entire academic schedule and to track graduation requirements. Parents will be contacted if a course selection appears to be inappropriate for a student. This determination will be based upon previous classroom performance, test scores and other standardized data.

**GUIDELINES FOR SUMMER SCHOOL**

**In the event that a student is not successful in a particular course, credit recovery may be available during the summer. Please note the following guidelines:**

1. Summer school is not available for every course in the program of studies.
2. In order to be invited to summer school, a student must have attained a minimum of 60% in at least two of the four quarters of study.
3. If a student successfully completes the summer school program, the transcript will be changed to reflect that the student passed the original course with a 60% and notation will be made that this included work done during the summer.

Students who qualify for summer school may attend any PA certified public school program.

Students are encouraged to use the Brandywine Heights Virtual Summer School online program. The cost of any summer school program is the responsibility of the family and to receive credit, the student must provide a transcript showing a passing grade for the course.



## GUIDELINES FOR SCHEDULE CHANGES

*Students are required to follow the sequence relative to prerequisites when selecting courses. Failure to do so may result in placement in the pre-required class.*

The master schedule is built so as to minimize the number of conflicts and maximize the number of students who are scheduled for all of their course requests. Because of the number of courses requested or because the requests do not follow a common pattern, it may be impossible to create a conflict-free schedule. Families will be contacted by a counselor if a student's schedule contains an irresolvable conflict. Any errors, conflicts, omissions, or additions to a student's schedule will be resolved as soon as possible. The school reserves the right to cancel or postpone courses when insufficient enrollment, lack of physical facilities, or unavailability of teaching personnel necessitates such action.

The process of building the master schedule begins early in the preceding year with a review of curriculum offerings by the staff and administration. In late January and into February, students make course requests according to their needs and interest. **Staff assignments, class sizes, material resources, and course offerings are all dependent upon student requests, which is why it is crucial that the requests be made thoughtfully. Changes to the course requests after the process has begun threaten the integrity and balance of the master schedule and must be held to a minimum.** Families will have two opportunities to review course requests and contact counselors regarding changes. Please avail yourself of these opportunities, as changes after this time are exceptionally difficult to make. If you believe you may have a valid reason to make a change after this time, please note the following:

- All students are expected to continue in and complete the courses selected. Only exceptional requests to drop or add subjects will be given consideration until the end of the first seven (7) calendar days of the school year. The principal reserves the right to render a decision on requests of this nature.
- Schedule changes will be considered for valid educational reasons only. All schedule changes must be made by May 31. Schedule changes will NOT be made to accommodate requests for lateral moves within the same subject area, for a different lunch period, or because of preference for a certain teacher.
- No class will be dropped and replaced with a study hall. All students must maintain a full schedule (7 credits) for the entire year.

On limited occasions, students may need to change courses after this one week time period. The following are guidelines for these rare instances:

- Students moving from Honors or Advanced Placement course to another course will not be awarded the weighted grade unless the student has completed two full marking periods of the Honors or AP course.
- When requesting a move to a less challenging course, the student must have at minimum demonstrated the following before this request is entertained:
  - ◊ Multiple conversations with teacher and parent
  - ◊ Evidence of having sought and received extra help with a teacher, tutor or having accessed the help time provided twice weekly by the National Honor Society members
  - ◊ Evidence of having put forth effort in class toward completion of homework, participation in class, etc.
- Students who drop a course without administrative approval will receive a W/F (withdrawal/fail) on their transcript.

The suggested course selections that follow list the strongly recommended courses for the four Career Pathways. In addition, the related Berks Career & Technology Center courses for each of the Pathways are listed. Students are required to discuss their course selections with their parents and counselor before making their final choices.

The high school offers four Career Pathways or suggested courses of study. Students are asked to identify the Career Pathway and option which most closely matches their potential career choice and then follow the suggested course selections. Although there are exceptions, the courses listed for a Pathway are recommended as the best selections for the careers within that Pathway. Because students may be considering potential careers from more than one Pathway, or are uncertain of their career choice in general, the school counselors are available to meet with students and parents to assist them in making the most appropriate course selections.

***A brief description of some of the careers included in the Career Pathways follows:***

### ART AND HUMANITIES

Students choosing this Pathway would be interested in such fields as Communications, the Fine & Performing Arts, the Humanities, Psychology, the Social Sciences, Public Service, Journalism and Advertising.

### BUSINESS

Students pursuing this Pathway would enter such areas as Business Administration & Management, Accounting, Computer Science, Finance, Marketing, Distribution & Transportation, Real Estate, Economics, Public Relations, Office Technology, and Hospitality/Recreation.

### ENGINEERING/INDUSTRIAL

Students entering this Pathway would be considering such fields as Architecture, Computer Science, Engineering & Industrial Technology, Transportation, Construction, Manufacturing, Electronics and Mechanics.

### HEALTH/SCIENCE & HUMAN SERVICES

Students involved with this Pathway would be interested in such fields as Agriculture & Natural Resources, Biology, Health Care, Physical Science, the Environment, Marine Science, Protective & Personal Services, Hospitality & Recreation and Consumer Sciences.

The suggested course selections that follow list the strongly recommended courses for the four Career Pathways. In addition, the related Berks Career & Technology Center courses for each of the Pathways are listed. Students are required to discuss their course selections with their parents and counselor before making their final choice.

***Students are required to follow the sequence relative to prerequisites when selecting courses. Failure to do so may result in placement in the pre-required class.***

**ART & HUMANITIES CAREER PATHWAY**

9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
<i>Directly Related</i>	<i>Directly Related</i>	<i>Directly Related</i>	<i>Directly Related</i>
Foundations of Art	Creative Writing	Advanced Creative Writing	3-D Design
Graphic Arts I	Drawing & Painting I	AP Art History	Advanced Creative Writing
High School Band	Graphic Design II	AP Music Theory	AP Drawing
High School Concert Choir	Spanish II, German II	Career Internship Program	Career Internship Program
Introduction to Acting & Theatre	Sculpture I	Contemporary American Media	Digital Photography I & II, III
Music Appreciation	Telecommunications II	Digital Photography I, II	Graphic Design I, II, III
Music Theory	Theatrical Design	Drawing & Painting II	Guitar
Spanish I, German I	Wellness & Fitness Concepts	Graphic Design III	Personal Fitness & Self Defense
Telecom I	Wood II	History of Women	Mental & Emotional Wellness
Wood I		Independent Living	Sculpture II
Yearbook		Psychology	Spanish IV
		Sociology	TV Studio
		Spanish III, German III	
		Telecommunications III	
<i>Helpful Courses</i>	<i>Helpful Courses</i>	<i>Helpful Courses</i>	<i>Helpful Courses</i>
Introduction to Business	Accounting I	Accounting II	Accounting III
Spanish I, German I	Computer Applications I & II	Business & Consumer Law	Business Economics I & II
Technology for Today and Tomorrow	Defensive Driving	Career & Financial Planning	Career & Financial Planning II
Word Processing I	Marketing	Microsoft Officer User Specialist	Entrepreneurship
	Microsoft Office User Specialist		Microsoft Officer User Specialist

**Berks Career & Technology Center Courses**  
(Related to this pathway)

Advertising Art & Design Technology	Cosmetology
Culinary Arts	Horticulture
Painting & Decorating	Protective Services / Homeland Security

**Possible Career Choices**

Actor/Entertainer	Anthropologist	Artist	Broadcast Analyst	Clergy	College Faculty
Composer	Curator	Dancer/Choreographer	Director	Graphic Designer	Illustrator
Interior Designer	Journalist	Judge	Lawyer	Librarian	Musician
Photographer	Political Scientist	Public Administrator	Public Relations	Recreation	Therapist
Social Worker	Translator	Teacher (Art, Dance, English, History, Music, World Languages)		Urban/Regional Planner	Writer

## BUSINESS CAREER PATHWAY

9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
<i>Directly Related</i>			
Introduction to Business	Accounting I	Accounting II	Accounting III
Word Processing I	AP Computer Science Principles	AP Computer Science A	Business Economics I & II
Introduction to Computer Science	Computer Applications I & II	Art of Design & Presentation	Career Internship Program
Technology for Today and Tomorrow	Marketing	Business & Consumer Law	Entrepreneurship
	Microsoft Office User Specialist	Career Internship Program	Microsoft Office User Specialist
		Career & Financial Planning	Programming Technologies & Capstone Experience
		Microsoft Office User Specialist	
<i>Helpful Courses</i>			
Foundations of Art	Creative Writing	Advanced Creative Writing	Civil Engineering & Design
Graphic Arts I	Defensive Driving	Contemporary American Media	Independent Living
Introduction to Engineering & Design	Digital Electronics	Graphic Arts III	Principles of Coaching
Spanish I, German I	Digital Photography	Principles of Engineering	Spanish IV
	Graphic Arts II	Psychology	Telecommunications III
	Spanish II, German II	Sociology	
	Telecommunications I	Spanish III	
		Telecommunications II	

### Possible Career Choices

Accountant	Actuary	Administrative Assistant	Auditor	Budget Analyst	Claims Officer
Compliance Officer	Computer Network Engineer	Customer Service Representative	Developer	E-Commerce Analyst	Economist
Employment Interviewer	Financial Analyst	Financial Services Representative	General Manager	Insurance Adjuster	Insurance Agent/ Broker
Management Analyst	Marketing/ Advertise Management	Market Research Analyst	Operations Research Analyst	Personnel Manager	Programmer/ Application
Public Relations Specialist	Real Estate Agent	Software Engineer	Systems Administrator	Systems Analyst	Training Supervisor
Teacher (Business or Information Technology)		Underwriter			

### Berks Career & Technology Center Courses (Related to this pathway)

Business Management & Entrepreneurship	Computer Systems, Networking & Security
Information Technology: Programming	Protective Services: Homeland Security
Protective Services: Law Enforcement	

## ENGINEERING & INDUSTRIAL CAREER PATHWAY

9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
<i>Directly Related</i>	<i>Directly Related</i>	<i>Directly Related</i>	<i>Directly Related</i>
Exploring Engineering	AP Computer Science Principles	Career Internship Program	Civil Engineering & Architecture
Introduction to Engineering Design	Digital Electronics	AP Computer Science A	Career Internship Program
Introduction to Computer Science	Graphic Design I	Graphic Arts II	Physics
Stage/ Exhibit Design & Construction	Wood II	PLTW Lab	Graphic Design III
Wood I		Principles of Engineering	PLTW Lab
Technology for Today and Tomorrow		Wood III	Programing Technologies & Capstone Experience
<i>Helpful Courses</i>	<i>Helpful Courses</i>	<i>Helpful Courses</i>	<i>Helpful Courses</i>
Foundations of Art	Accounting I	Accounting II	Accounting III
Introduction to Business	Computer Applications I & II	AP Computer Science A	AP Art and Design
Spanish I, German I	Defensive Driving	Career & Financial Planning	AP Calculus AB / BC
Word Processing	Drawing & Painting I	Drawing & Painting II	Entrepreneurship
	Marketing	Microsoft Officer User Specialist	Microsoft Office User Specialist
	Microsoft Office User Specialist	Psychology	PE Lab- Team Games
	Spanish II, German II	Sociology	Spanish IV
		Spanish III	Trigonometry
		The Art of Design & Presentation	

### Berks Career & Technology Center Courses (Related to this pathway)

Automotive Collision Technology	Automotive Technology	Building Construction Occupations
Carpentry/ Cabinetmaking	Computerized Machining Technology	Diesel Technology
Drafting/ Design Technology	Electrical Occupations	Heavy Equipment Technology
Heating, Ventilation, & Air Conditioning	Horticulture	Masonry
Mechatronics Engineering Technology	Painting & Decorating	Plumbing & Heating
Precision Machining Technology	Recreational & Power Equipment Technology	Robotics & Automation Technology
Welding Technology		

### Possible Career Choices

Aerospace Engineer	Air Traffic Control	Architect	Astronomer
Chemical Engineer	Chemist	Civil Engineer	Compliance Officer
Computer Engineer	Computer Systems Analyst	Construction/ Building Inspector	Construction Manager
Construction Superintendent	Database Administrator	Electrical/ Electronics Engineer	Industrial Engineer
Industrial Production Manager	Landscape Architect	Materials Engineer	Mechanical Engineer
Mining Engineer	Nuclear Engineer	Physicist	Pilot/ Flight Engineer
Purchasing Agent	Safety Engineer	Sales/ Marketing Supervisor	Ship Captain
Surveyor	Systems Analyst	Technical Writer	
Teacher (Technology, Computer Science, Mathematics, Career/ Technical Education)			

**HEALTH, SCIENCE, & HUMAN SERVICES CAREER PATHWAY**

9TH GRADE	10TH GRADE	11TH GRADE	12TH GRADE
<i>Directly Related</i>	<i>Directly Related</i>	<i>Directly Related</i>	<i>Directly Related</i>
Foundations of Art	Athletic Training I & II	Athletic Training I & II	Anatomy & Physiology
Exploring Engineering	Digital Electronics	Career Internship Program	Athletic Training I & II
Introduction to Engineering Design	Personal Fitness & Self Defense	Chemistry I	Career Internship Program
Spanish I, German I	Mental & Emotional Health	Contemporary American Media	Chemistry II
Technology for Today and Tomorrow	Spanish II, German II	Principles of Engineering	Civil Engineering & Architecture
Wood I	Horticulture: Plant Science	Psychology	History of Women
Introduction to Agriculture, Food, and Natural Resources/ FFA Leadership		Sociology	Physics
The Natural World: Wildlife and Natural Resource Management		Spanish III	Spanish IV
Farm-to-Table: Understanding Food Science and Safety			<b>BCTC Medical Health Professionals</b>
<i>Helpful Courses</i>	<i>Helpful Courses</i>	<i>Helpful Courses</i>	<i>Helpful Courses</i>
Foundations of Art	Accounting I	Accounting II	Accounting III
Graphic Arts I	AP Computer Science Programming	Business & Consumer Law	Business Economics I & II
High School Band	Computer Applications I & II	Career & Financial Planning	Telecom III
High School Concert Choir	Defensive Driving	Drawing & Painting II	
Introduction to Business	Drawing & Painting I	Graphic Arts III	
Introduction to Computer Science	Graphic Arts II	Microsoft Office User Specialist	
Marketing	Microsoft Office User Specialist	Telecom II	
Music Appreciation	Telecom I		
	Wood II		

**Possible Career Choices**

Agricultural Scientist	Audiologist	Biologist	Chiropractor	Conservationist
Corrective Therapist	Dentist	Detective	Dietician	Forester
Healthcare Administrator	Medical Technologist	Meteorologist	Nuclear Medicine Technologist	Nutritionist
Occupational Therapist	Optometrist	Pharmacist	Physical Therapist	Physician
Physician's Assistant	Podiatrist	Psychiatrist	Psychologist	Radiologist
Registered Nurse (BSN)	Residential Counselor	Respiratory Therapist	School Administrator	School Counselor
Social Worker	Speech Pathologist	Surgeon	Veterinarian	
Teacher (Health, Science, Physical Education, Elementary, Early Childhood Education, Family/ Consumer Sciences)				

**Berks Career & Technology Center Courses**  
(Related to this pathway)

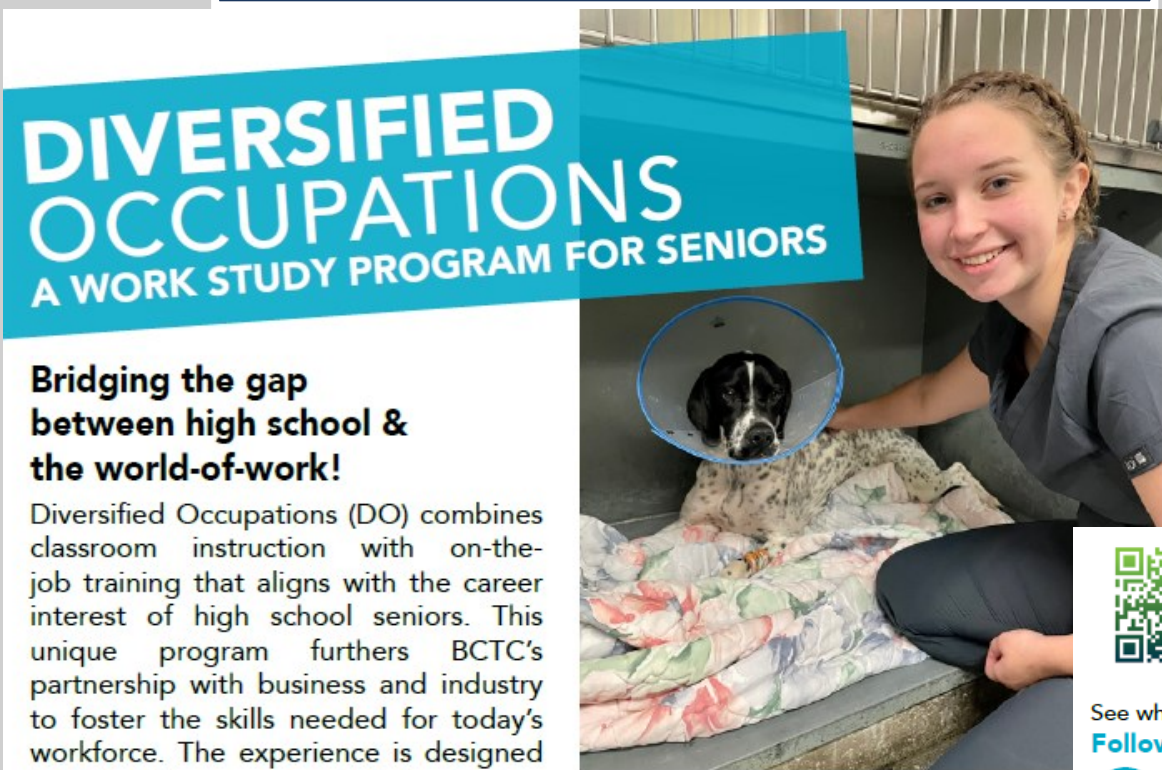
Cosmetology	Culinary Arts
Dental Occupations	Horticulture
Medical Health Professionals	Protective Services: Homeland Security
Sports Medicine & Rehabilitation Therapy	



The Berks Career and Technology Center (BCTC) offers programs in 39 different career areas to students from 16 of the area school districts. Two campuses serve students in Berks County. The East campus (E) is located in Oley and the West campus (W) is located in Leesport. Students choosing to enroll in a BCTC program would attend Brandywine Heights High School the first five class periods for their academic classes and would then attend BCTC's afternoon session for their technical program. Programs are designed to be three years in length, beginning in the 10th grade, however, 11th and 12th grade students may also begin a program and we would encourage them to do so if this would assist them in reaching their career or educational goals. If necessary, a student can then complete the program as an adult education student. The exception is Medical Health Professions which is a morning program for high school seniors only.

There are many opportunities available for students enrolled in a BCTC program. All programs prepare students for immediate employment or higher education. Senior students who demonstrate a high level of competency in their program can participate in a supervised work-based learning experience. In addition, articulation agreements with some post-secondary institutions provide students with advanced credits or advanced placement. Finally, BCTC students have the opportunity to earn industry recognized certificates or licenses through examinations or certification testing programs.

**BCTC DIVERSIFIED OCCUPATIONS**



**Bridging the gap between high school & the world-of-work!**

Diversified Occupations (DO) combines classroom instruction with on-the-job training that aligns with the career interest of high school seniors. This unique program furthers BCTC's partnership with business and industry to foster the skills needed for today's workforce. The experience is designed to integrate classroom study focused on 21st-century skills along with a planned, supervised work experience.

**The DO Program is Designed To:**

1. Provide training in a career and technical area not presently being offered at BCTC or the sending high school.
2. Provide training for students who need an alternative form of education to meet their unique needs.



**SCAN TO BEGIN YOUR APPLICATION!**

See what's happening at BCTC!  
Follow Us on Social Media:



**What You'll Learn:**

- Career Development & Planning
- Employment Acquisition
- Human Relations
- Health & Safety
- Employment Retention
- Communications Development
- Legal Awareness
- Consumer Skills
- Economics
- Future Planning
- Technical-Related Instruction

# Berks Career & Technology Center

A premier career & technical education center with proven workforce ready skill development and industry credentials.

**OUR MISSION ...**

To prepare all students for successful careers and higher education through a highly acclaimed, integrated academic and technical education experience.

Our teachers are experienced professionals encompassing five career pathways, seven career clusters and nearly 40 approved CTE programs.

Our stakeholders play an active role in the life of the Center. We are accredited by the International Service Organization (ISO 9001:2015) and the Middle State Association of Secondary School (MSA).

**BCTC prepares YOU for:**

- Direct entry into the workforce
- Technical or trade school
- Apprenticeship programs
- Military Service
- Two or four-year college

BCTC also offers students the opportunity to be involved in career and technical student organizations (CTSO's) such as Skills USA, HOSA, and the National Technical Honor Society. Each student organization provides personal growth, leadership and networking opportunities.

**Contact Us:**

**East Campus**  
3307 Friedensburg Road  
Oley, PA 19547

**West Campus**  
1057 County Road  
Leesport, PA 19533

**Call:**  
610-374-4073

**Click:**  
BerksCareer.com

-  @BCTC.CE
-  @berkscareerandtech
-  @BerksCareer



The current program offering through Berks Career & Technology Center are listed below:

**Business & Information Technology Cluster**

- Business Management & Entrepreneurship (W)
- Computer Systems Networking & Security (E)
- IT Programming (W)

**Communications Cluster**

- Advertising Art & Design Technology (W)
- Video & Media Content Production (W)

**Construction Cluster**

- Building Construction Occupations (E)
- Cabinetry & Wood Technology (E)
- Carpentry (E)
- Electrical Occupations (B)
- Heavy Equipment Operator (E)
- Horticulture (E)
- HVAC/ Refrigeration (E)
- Masonry (E)
- Painting & Decorating (E)
- Plumbing & Heating (E)

**Engineering & Manufacturing Technology Cluster**

- Mechatronics Engineering Technology (W)
- Drafting Design Technology (W)
- Precision/Computerized Machining Technology (W)
- Welding Technology (W)

**Healthcare Cluster**

- Dental Occupations (E)
- Health Occupations (W)
- Medical Health Professionals (RH)- 12th grade only
- Sports Medicine & Rehabilitative Therapy (E)

**Services**

- Cosmetology (B)
- Culinary Arts (B)
- Early Childhood Education (B)
- Protective Services: Homeland Security (E)
- Protective Services: Law Enforcement (E)
- Services Occupations (E)

**Transportation**

- Automotive Collision Repair Technology (B)
- Automotive Technology (B)
- Diesel Technology (E)
- Heavy Equipment Technology (E)
- Recreational & Power Equipment Technology (W)

**Diversified Occupations**

- Internship/Senior Only (E)

**NOTE:**

(E) indicates program is offered only at East Campus (Oley).

(W) indicates program is offered only at West Campus (Leesport).

(B) indicates program is offered at both campuses.

(RH) Reading Hospital School of Health Sciences



**TECHNICAL ACADEMY**

In partnership with Reading Area Community College, BCTC offers Technical Academy programs to students who qualify. The Academy provides college bound students with the opportunity to develop advanced technical skills and earn college credit towards an associate and/or bachelor's degree while still in high school. The Technical Academy programs are:

Business Management & Entrepreneurship	Entrepreneurship	Computer Systems, Networking & Security	IT Programming
Mechatronics Engineering Technology		Medical Health Professionals (12 only)	Teacher Academy

**APPLICATION PROCESS**

Students applying to BCTC will obtain the application materials from the Counseling Office. In order to receive maximum consideration for admission, students will submit their application by the first week of December. They will be notified of their acceptance at the beginning of February. All applications are sent to BCTC for review and students are chosen for admission to programs on a countywide basis. Each student's application is reviewed based on these criteria:

**Student Interest (20%)** - The application is reviewed for thoughtfulness, completeness of answers, neatness, a student's experiences and evidence of career planning.

**Teacher Evaluation (2) (10%)** - Students may choose the teachers who complete the evaluations and should seek the individuals who will give them the highest rankings.

**Counselor Recommendation (10%)**

**School Citizenship (20%)** - School behavior and attitudes are considered.

**Attendance (20%)** - Emphasis is placed on good attendance by BCTC. The total number of absences and tardies for the last year is reviewed.

**Academic Readiness (20%)** - Three areas are considered. They are the rigor of a student's coursework, their grade point average for the last year and their latest PSSA scores.

**Health** - While not restricting a student's program selection, health concerns, which may affect a student's ability to be successful in a program, are noted.

**MEDICAL HEALTH PROFESSIONAL PROGRAMS**

This program offers an academically challenging experience that seeks to enroll seniors who wish to pursue a career in the health care field (i.e. medicine, nursing, the therapies, etc.). This dual enrollment program is a partnership between The Reading Hospital, Penn State Berks and the Berks Career & Technology Center. Students must apply by December 1st of their junior year and acceptances are awarded by BCTC. Classes meet at the Reading Hospital on Monday, Wednesday, and Friday from 7:00 to 10:00 a.m. Health theory is combined with job shadowing experiences and will cover such topics as medical terminology, anatomy, physiology, aseptic technique, OSHA regulations, infection control, medical & ethical responsibilities and basic clinical skills. Students will attend classes at Penn State Berks on Tuesday and Thursday for the same time period. In the Fall semester students will take Intro to Bioethics. In the Spring semester students will take Chemistry 110 & 111: Chemistry & Chemistry Lab and Physiology. Students will be responsible for their transportation, to pay the Penn State tuition at a discounted rate and to buy their books. Students will receive four BHHS credits (weighted) for completing the program and four PSU credits for each course with a lab.

The following is the schedule for courses that will be offered on a biennial basis:

2024–2025 School Year	2025–2026 School Year
A Deeper Look: The Science & Culture Seminar	Business and Consumer Law
AP Art History	Entrepreneurship
Art and Design of Presentation	
Business Economics I & II	
Science in the Community	

The following courses are weighted:

Business	English	Fine Arts/ Gift- ed	Mathematics	Music	PLTW	Science	Social Studies	World Languages
Accounting II	Honors English 9	AP Art History	Honors Geometry	AP Music Theory	Civil Engineering & Architecture	Honors General Science	Honors History I	German IV
Accounting III	Honors English 10	AP Drawing	Honors Algebra II		Digital Electronics	Honors Biology I	AP U.S. History	Spanish IV
AP Computer Science Principles	Honors English 11	Advanced Seminar in Philosophy	AP Statistics			Anatomy & Physiology	AP U.S. Government & Politics	
AP Computer Science A	12th Grade AP English Literature	A Deeper Look: The Science & Culture Seminar	AP Pre-Calculus			AP Environmental Science	AP World History	
Programming Technologies & Capstone Experience			AP Calculus AB			Chemistry II		
			AP Calculus BC					

# FACULTY

Mark Graham  
Jennilee Greiss  
Patrick Lundy

# ART

## Foundations of Art – Course #H0501

GRADES: 9, 10

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** This course introduces the high school Visual Arts program by initiating an in-depth study of the fundamental principles of creating artworks in a variety of media and genres. Drawing and design form the cornerstone, with additional emphasis given to painting and 3D work. Along with a basic understanding of art concepts, students will also acquire and hone visual arts technical skills that prepare them for more advanced work in drawing and painting, graphic arts, and 3D work. Students will analyze and critique artworks, discuss aesthetic issues, and understand how art is related to history and culture.

## Drawing & Painting I – Course #H0502

GRADES: 9, 10, 11, 12

CREDIT (Elective- RACC Dual Enrollment): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Recommended 80% or better in Foundations of Art or Portfolio Review (for incoming 9th grade students)

**COURSE DESCRIPTION:** Figure drawing is the traditional cornerstone of representational art. This course begins with foundational methods for classic depictions of the figure by stressing foundational skills through charcoal and pencil, pen and ink, emphasizing planar, volumetric, and tonal structures that contribute to 2D representation. Students will progress to foundational painting skills including an understanding of various brushes and mark-making with paint, as well as the use of value. As an introduction to the figure, students will study various representational animals to practice foreshortening and dynamic poses. From there students will then work on form, structure, and spatial development by copying master drawings and then making cast drawings from portrait busts in the art studio. They will paint works in monochromatic scales and full color, culminating in a creative work that emphasizes dynamic human and animal figures in color.

## Drawing & Painting II – Course #H0503

GRADES: 10, 11, 12

CREDIT (Elective– RACC Dual Enrollment): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Recommended 85% or better in Drawing & Painting 1

**COURSE DESCRIPTION:** Building on techniques learned in Drawing/Painting I, this course provides students with the opportunity for advanced study in representational art. With a sustained focus on naturalism and observation as well as an emphasis on fantasy and illustration, students create work in a variety of major genres that include human and animal figure studies, landscapes, and portraits. Students will also spend time creating their own body of work based on a particular theme or interest, as a prelude to work in the advanced placement class.

## Advanced Placement Drawing\* – Course #H0504

GRADES: 11, 12

CREDIT (Elective– RACC Dual Enrollment): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Recommended 85% or better in Drawing and Painting 2

**COURSE DESCRIPTION:** This course is designed for students interested in developing mastery in drawing and painting while building a portfolio of work that both explores a variety of visual problems and focuses in-depth on a conceptual or technical theme of the student's choice. Students are expected to independently generate ideas, plan how they will execute their work and reflect on their pieces constantly throughout this course.

**Please Note:** *This course includes mandatory summer assignments. Students are encouraged to take the AP exam at student expense in the Spring. Students experiencing significant financial need may be eligible for a fee reduction from the College Board. Please inquire for further details.*

## Sculpture – Course #H0505

GRADES: 9, 10, 11, 12

CREDIT (Art/Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Foundations of Art

**COURSE DESCRIPTION:** This course introduces students to the principles of 3D design in a variety of sculptural media. Along with studying the principles of design (unity/variety, balance, emphasis, contrast, rhythm, repetition, proportion/scale, figure/ground relationship) students will explore the unique properties of 3D forms (mass, volume, color/light, form, plane, line, texture). Creating projects that include figurative or nonfigurative sculpture, architectural models, and installation, students will craft original projects grounded in a knowledge of various artists, concepts, and traditions.

## Sculpture II – Course #H0506

GRADES: 9, 10, 11, 12

CREDIT (Art/Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Sculpture I

**COURSE DESCRIPTION:** The purpose of this course is to expand upon the elements, techniques, and history of sculpture processes addressed in Sculpture I by advancing your conceptual and technical capabilities to engage in a more complex and self-driven sculpture practice. There will be an emphasis on projects that require several stages of development, combining media, and contemporary issues in sculpture. These projects will guide students towards reaching a wider understanding of sculpture fabrication methods and processes. Advanced sculptural concepts like site-specific installation, casting, interactive and kinetic sculpture.

## 3-D Design – Course #H0507

GRADES: 9, 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Foundations of Art

**COURSE DESCRIPTION:** This course will introduce the basics of three dimensional design and processes. It will cover topics in three-dimensional design in which students will explore the principles of visual perception and the meaning of form, space, function, mass and structure as they relate to three-dimensional design. 3D design will be explored in the following areas; design models, functional design, product design, and computer modeling.

## Digital Photography I – Course #H0508

GRADES: 9, 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Foundations of Art

**COURSE DESCRIPTION:** This course will include a historical overview starting with the origins of photography, and continuing on to delve into some contemporary photographers of the digital era. Additionally, students will explore the mechanics of the digital single-lens reflex camera (DSLR) including: parts, settings, and modes. The course will expand to include lessons about basic fundamentals and theories of composition as related to photography. This class will introduce the art of post-production editing using advanced industry-standard software, covering the following areas: photo editing, photo retouching, color correcting, layer masks, filters, and special effects.

## Digital Photography II – Course #H0509

GRADES: 9, 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Digital Photography I

**COURSE DESCRIPTION:** More aesthetic in nature, Digital Photography II is a project-intense course that builds upon the foundational knowledge and skills gained in Digital Photography 1. New and advancing levels concepts explored in this level are lighting, color, composition, post-production editing, and design. The use of these techniques will be applied to such fields as portraiture, photojournalism, still life, and fine art photography. Additionally, they will continue to develop a portfolio of work and participate in critique and discussion of famous, self, and peer work.

## Digital Photography III – Course #H0510

GRADES: 9, 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Digital Photography II

**COURSE DESCRIPTION:** Digital Photography III will be an advanced study and practice on all techniques and skills developed in the previous digital photography classes. Emphasis will be placed on fine art photography and career photography to build a well-rounded portfolio. Students will have opportunities throughout the course to work in client-based sessions in areas like studio photography, professional headshots, and documentary work. Students will also continue to develop their own aesthetic through further exploration of famous photographers, exposure and presentation of their work, and reflecting through their own creative practice.

## Graphic Design I – Course #H0511

GRADES: 9, 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Foundations of Art

**COURSE DESCRIPTION:** This course will begin with an exploration into the history and progression of the graphic design genre. Students will utilize our digital Macintosh studio, using industry-standard design software including Photoshop, Illustrator, and InDesign (Adobe Creative Suite) to execute graphic design exercises and projects. We will cover the following topics: photo for design (collage, blending and retouching), digital illustrations, and logo design. The class will expand to provide an understanding of the art of typography and an introduction to a design process used to concept, design, and produce graphic design projects.

## Graphic Design II – Course #H0512

GRADES: 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Graphic Design I

**COURSE DESCRIPTION:** Students will build on technical skills learned in Graphic Design I to further their knowledge of Adobe Photoshop, Illustrator, and InDesign. Graphic Design II will dive deeper into the “design process” used to concept, design, and produce graphic design projects. Through exercises and projects, students will be introduced to composition-theories, color-schemes, and principles of design. Students will practice and apply these skills to create progressive communication design projects. All projects will conclude with students participating in critiques of peer’s artworks as well as self-reflections of their own work. At this level, students will begin preparing a graphic design portfolio.

## Graphic Design III – Course #H0513

GRADES: 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Graphic Design I & II

**COURSE DESCRIPTION:** Graphic Arts III is a course designed for students who are interested in pursuing college-level studies in graphic design. The class will be structured in a professional design studio format, leveraging high school and/or district-wide design needs (event posters, brochures/flyers, social media, promotional items, etc.) to provide real-world experience. Students will use a structured design process to collaborate with peers to solve and execute marketable design solutions. The course will introduce a four-step process (Describe, Analyze, Interpret, and Evaluate) that will be used to critique artwork. Students will conclude the class by developing self-promotional pieces and preparing graphic design portfolios.

## FACULTY

Michael Kistler

Nicole Konyak

Wendy Pristash

# BUSINESS & COMPUTER TECHNOLOGY

## Technology for Today and Tomorrow – Course #H0601

GRADES: 9, 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** This course will allow students to obtain the skills necessary to obtain a G Suite Certification. Current trends in business technology will be explored as well as various computer software program skills that can be used throughout a student's high school and post high school career. A major emphasis will be placed on Google Drive, Gmail, Docs, Sheets and Slides. Students who obtain the Google Cloud certification in G Suite demonstrate to prospective employers and colleges that they have a mastery of G Suite applications and the ability to complete common workplace activities using cloud-based tools to create and share documents, spreadsheets, presentations, and files. They also show prospective employers and colleges that they are fluent in digital collaboration tools.

## Computer Applications I – Course #H0602

GRADES: 10, 11, 12

CREDIT (Elective– RACC Dual Enrollment): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Word Processing I

**COURSE DESCRIPTION:** Computer Applications I provides students with hands-on computer experience using the essential software packages in use in the majority of business and private operations. Students will learn to use word processing, spreadsheet, database and presentation software to solve a variety of problems. The specific applications software which will be used includes Microsoft Office Word, Excel, Access and PowerPoint. Business and professional environments have undergone a rapid state of change to become more efficient. New technologies and careers have been developed in contemporary offices with the advent of computers. This course will help students develop the basic computer application skills of today's entry-level employee who needs to be computer literate with hands-on skills. These students may work in diverse environments in government, private industry, education or social service organizations. This course is offered as a dual enrollment course in which students may earn college credit.



# BUSINESS & COMPUTER TECHNOLOGY

## Introduction to Business – Course #H0603

GRADES: 9, 10  
CREDIT (Elective): 1 / Year  
PERIODS/CYCLE: 6  
PREREQUISITE: None

**COURSE DESCRIPTION:** Introduction to Business is a full-year course for ninth and tenth grade students. The course involves the study of owning a business, handling business information, operating a retail business, planning for careers in business, using banking services, learning to be an intelligent consumer, managing your money, investing, buying insurance, using credit and learning about the role of computers in everyday life. The course is recommended for students interested in taking additional business courses or students who want to learn more about the business world.

## Accounting I – Course #H0604

GRADES: 10, 11, 12  
CREDIT (Elective): 1 / Year  
PERIODS/CYCLE: 4-6  
PREREQUISITE: None

**COURSE DESCRIPTION:** Accounting I is a full year course for tenth to twelfth grade students. It is a study of analyzing business transactions in journals, posting to ledger accounts, and reporting information by preparing financial statements. Computer applications are an integral part of the course. It is recommended for students who want to learn the concepts and language of business to prepare for a career in accounting or pursue further study in the field.

## Accounting II\* – Course #H0605

GRADES: 11, 12  
CREDIT (Elective- RACC Dual Enrollment): 1 / Year  
PERIODS/CYCLE: 4-6  
PREREQUISITE: At least 75% in Accounting I

**COURSE DESCRIPTION:** Accounting II is a full year course for students in grades eleven and twelve. It is an advanced study of the principles learned in Accounting I. The course involves ratio and comparative analysis of corporate financial statements, departmental accounting, uncollectable accounts, plant asset accounting, and accrued and deferred income and expenses. Computer applications are a part of this course. The course is recommended for those who plan to seek employment after high school or pursue a business program on the college level.

## Accounting III\* – Course #H0606

GRADES: 12  
CREDIT (Elective): 1 / Year  
PERIODS/CYCLE: 4-6  
PREREQUISITE: At least 75% in Accounting II

**COURSE DESCRIPTION:** Accounting III is a full year course for students in grade twelve. Successful businesses keep a close watch on costs and payroll expenses, and in Accounting III you will be provided with the tools needed to monitor those costs. The course is recommended for those who plan to seek employment after high school or pursue a business program on the college level.



# BUSINESS & COMPUTER TECHNOLOGY

27

## Business Economics I – Course #H0608

GRADES: 11 & 12

CREDIT (Elective—RACC Dual Enrollment): .5 / Semester

PERIODS/CYCLE: 6 (When taken in sequence with Business Economics II)

PREREQUISITE: None

**COURSE DESCRIPTION:** Business Economics I deals with “Microeconomics” which explains the choices made by individual consumers and producers in the marketplace. The course shows how these individual choices affect supply and demand. It describes the organization of individual business firms and markets, ways to improve the market system, the labor market and individual income.

## Business Economics II – Course #H0609

GRADES: 11 & 12

CREDIT (Elective—RACC Dual Enrollment): .5 / Semester

PERIODS/CYCLE: 6 (When taken in sequence with Business Economics I)

PREREQUISITE: None

**COURSE DESCRIPTION:** Business Economics II is a full year course for students in grades eleven and twelve. It is an advanced study of the principles learned in Accounting I. The course involves ratio and comparative analysis of corporate financial statements, departmental accounting, uncollectible accounts, plant asset accounting, and accrued and deferred income and expenses. Computer applications are a part of this course. The course is recommended for those who plan to seek employment after high school or pursue a business program on the college level.

## Introduction to Computer Science – Course #H0610

GRADES: 9, 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** This course introduces students to the broad field of computer science and the fundamentals of computer programming using the Python programming language. Introduction to Computer Science is specifically designed for students with minimal or no prior programming experience. This course will touch upon a variety of foundational topics within the field of computer science, as well as a brief history of computing and the current best practices in software development. Students are introduced to terminology and concepts related to object-oriented programming. By the end of the course, students will have a strong understanding of the fundamentals of computer science and basic programming skills. In an ever-increasing technological world, this course is recommended for all students. The course is heavily project-based and is foundational for subsequent, more advanced computer science course offerings.

## Advanced Placement Computer Science Principles\* – Course #H0611

GRADES: 10, 11, 12

CREDIT (Elective – RACC Dual Enrollment): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Algebra I, Introduction to Computer Science (Strongly Recommended)

**COURSE DESCRIPTION:** This course is designed to be equivalent to a first-semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze, problem solve, build algorithms, and visualize solutions to solve real-world problems.

# BUSINESS & COMPUTER TECHNOLOGY

*(Course # H0611: Advanced Placement Computer Science Principles cont.)*

The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems and will discuss and write about how computing impacts their community, society, and the world.

**Please Note:** Students are encouraged to take the AP exam at student expense in the Spring. Students experiencing significant financial need may be eligible for a fee reduction from the College Board. Please inquire for further details.

## Advanced Placement Computer Science A\* – Course #H0612

GRADES: 10, 11, 12

CREDIT (Elective- RACC Dual Enrollment ): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Algebra I, AP Computer Science Principles (Recommended)

**COURSE DESCRIPTION:** The AP Computer Science A course helps students strengthen their computer science skills through programming where students will investigate and test objects, conditionals, iteration, arrays, lists, inheritance, recursion, and other advanced data structures. AP Computer Science A is equivalent to a first-semester, college-level course in computer science. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. This course is recommended for students who desire to deepen their programming knowledge and skills and/or who are planning to enter a career or pursue undergraduate studies in a computer science related field.

**Please Note:** Students are encouraged to take the AP exam at student expense in the Spring. Students experiencing significant financial need may be eligible for a fee reduction from the College Board. Please inquire for further details.

## Programming Technologies & Capstone Experience\* – Course #H0613

GRADES: 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Must have completed 2 of the following: Introduction to Computer Science, AP Computer Science Principles, AP Computer Science A

**COURSE DESCRIPTION:** In this course students will learn and use various computing technologies and showcase one of these learned technologies as a culminating capstone project for the course. The course will start with students setting up an Ubuntu Linux server on their own dedicated Raspberry Pi computer. Students will learn basic server administration tasks including basic security practices, setting up user/group accounts and accessing and updating various software packages. Each quarter, students will learn a new technology and demonstrate their understanding of the technology by working through a pre-defined project. The development process for each technology will occur on their Raspberry Pi Linux server throughout the school year. Students will communicate with their Raspberry Pi server using their school-issued computer as a client. Some of the computing technologies learned throughout the year could include: building dynamic and responsive web applications using web frameworks, building mobile iOS and Android applications, and the Internet of Things (IOT) programming. The course will conclude with students designing, implementing, testing, and demonstrating a software/hardware project of their choice. Upon successful completion of the course, students will be able to keep their Raspberry Pi computers and continue to use their applications they built in the course and/or build new projects.

# BUSINESS & COMPUTER TECHNOLOGY

## The Art of Design & Presentation – Course #H0614

GRADES: 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** This course will introduce students to the art of presenting information in various formats as well as allowing them to hone their public speaking skills. These skills are essential components of every student's education and are taught in order to maximize opportunities for students to acquire the skills necessary for academic and career success. Projects in this class will emphasize real-world application of technology and prepare students for higher learning and career readiness. Students will develop essential technology and speaking skills that can be applied to any school project or in the workplace.

## Word Processing I – Course #H0615

GRADES: 9, 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** Word processing software is used by businesses across all industries throughout the world. It is a vital communication tool and is therefore one of the most critically important computer skills that students should learn. This course provides comprehensive, skills-based experience designed to help produce professional documents. The course will show students how to apply word processing skills to their own life. Students will explore the power of word processing as they develop professional documents such as letters, resumes and promotional flyers and incorporate relevant topics. From formatting paragraphs to working with graphics and visual elements with an emphasis on real-world scenarios and workplace readiness. The course showcases a variety of practical uses for word processing and gives students the tools they need to make word processing work for them.

## Microsoft Office User Specialist – Course #H0616

GRADES: 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** The Microsoft Office Specialist course provides industry-leading assessments of skills and knowledge giving students real-world exercises to appraise their understanding of Microsoft Office. These skills will prepare them for future academic or workforce opportunities. Students will gain hands-on computer experience while completing extensive business problems and projects. After completion of these units the students will be prepared to become certified as a Microsoft Office Specialist in Excel, Word, and PowerPoint. These certifications will give students a professional edge with evidence of industry recognized role-based skills. These skills will help them to get hired, get ahead, be productive faster, and give them the recognition they deserve. These certifications will also give them a professional advantage by providing globally recognized industry endorsed evidence of skills mastery, demonstrating their abilities and willingness to embrace new technologies.

# BUSINESS & COMPUTER TECHNOLOGY

## Marketing – Course #H0617

GRADES: 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** This course provides basic principles of marketing, advertising and public relations. Students will learn skills in this course to create effective marketing plans, advertisements, press kits, and promotions. The course will introduce basic concepts of marketing, ethics, sponsorships, endorsements, promotions, pricing strategies, data management and marketing plans.

## Computer Applications II – Course #H0619

GRADES: 10, 11, 12

CREDIT (Elective– RACC Dual Enrollment): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Computer Applications I >75% or better

**COURSE DESCRIPTION:** Computer Applications II will develop and strengthen the students' skills which were obtained in Computer Applications I. This course enhances students' skills using advanced features and functions of Microsoft Office which combines four microcomputer applications packages: Word, Excel, Access, and PowerPoint. Microsoft Office is widely used in business and education; advanced skills in these software packages will improve students' ability with computers for business, educational, and personal needs. This course is offered as a Reading Area Community College dual enrollment course in which students may earn college credit.

## Career Internship Program – Course #H07041

GRADES: 11, 12

CREDIT (Elective): Up to 3 / Year or Semester

PERIODS/CYCLE: Up to 18 / cycle

PREREQUISITE: Two Teacher Recommendations

**COURSE DESCRIPTION:** This program provides juniors and seniors with the opportunity to shadow an individual in a potential career they are considering. The position must be within the student's career pathway and they must meet eligibility requirements regarding graduation credits, grades and recommendations. A student's performance in the program will be evaluated and a corresponding grade will be given.

**Please Note:** Students should meet with the Internship Coordinator regarding program details prior to course selection.

## Career & Financial Planning II – Course #H0703

GRADES: 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Career & Financial Planning I

**COURSE DESCRIPTION:** This course is designed to build of the concepts presented in Career & Financial Planning. Students will be provided more rigorous information on career exploration, taxes, investing, insurances, and banking services. In addition to enhancing skills that were previously learned students will be introduced to estate planning, budgeting, student loan planning, and major purchase decision making.

**FACULTY**  
Christopher Cole

# DRIVING

## Defensive Driving – Course #H0801

GRADES: 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: None

***COURSE DESCRIPTION:*** Defensive Driving consists of the classroom and theory course which is offered in 10th, 11th and 12th grade. It consists of information on the various phases of driving such as pre-driving checks and procedures, use of safety devices, defensive driving, vehicle maintenance, efficient driving, plus a preparation of the student for his / her Pennsylvania driver's license. Each student will receive at least thirty hours of classroom instruction.

## FACULTY

James Beck

Cheryl Bleiler

Maegan Harrison

Kirsten Paxson

Karen Walia

# ENGLISH

## English 9– Course #H0001

GRADES: 9

CREDIT (English): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: 8th Grade English

**COURSE DESCRIPTION:** English 9 is a required course for all freshmen. Strong emphasis is placed on composition in response to works of literary merit with a focus on text dependent analysis as support. The course is divided into units that encompass the short story, poetry, drama and research as well as listening and speaking skills. Basic grammar concepts are reviewed and reinforced in students' writing with an emphasis on vocabulary acquisition.

## Honors English 9\* – Course #H0004

GRADES: 9

CREDIT (English): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: 8th Grade English

**COURSE DESCRIPTION:** Honors English 9 is designed for freshmen who have excelled in areas of writing, critical thinking and literary analysis. This course will examine a wide range of literature by genre and theme. Students will develop and hone skills in the areas of narrative and descriptive writing, as well as poetry and literary analysis. Emphasis will be placed on literary analysis, creative writing and developing essential composition skills. Grammar, public speaking and vocabulary study will be incorporated as well. All students will be required to complete summer reading and related writing assignments, which will be due on the first day of the school year.

**Please Note:** Candidates are determined by specific placement criteria. Selected students should show strong writing and critical thinking skills, strong independent work habits and an interest in the subject matter. This course includes mandatory summer assignments.



## ENGLISH

## English 10 – Course #H0005

GRADES: 10

CREDIT (English): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: 9th Grade English

**COURSE DESCRIPTION:** English 10 is a required course for all sophomores. The course emphasizes composition, world literature, and grammar and usage. World literature studies include short stories, essays, poetry, drama, and novels. Students will analyze literature for meaning and style. Composition instruction will emphasize mastering basic skills, writing expository pieces, and applying editing methods. Process writing will be used for all composition work. Speaking skills will be practiced through formal presentations, reports and drama. Finally, vocabulary enrichment will be covered through student reading and writing.

## Honors English 10\* – Course #H0007

GRADES: 10

CREDIT (English): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: 9th Grade English

**COURSE DESCRIPTION:** Honors English 10, which is taken in lieu of regular English 10, explores all areas of the communication arts with the added aim of challenging academically motivated students. World literature studies include short stories, essays, poetry, drama, and novels. Composition instruction emphasizes understanding and using more effective paragraph structure, mastering expository and narrative writing, and refining editing methods. Speaking and listening skills will be practiced through formal presentations and drama. In addition, grammar and correct usage will be thoroughly examined and vocabulary enrichment will be addressed through student writing and exercises. Finally, critical thinking techniques will be applied throughout the course.

**Please Note:** Candidates are determined by their current English teacher's recommendation. Considered students must show strong writing and critical thinking skills, strong independent work habits and an interest in the subject matter. This course includes mandatory summer assignments.

## English 11 – Course #H0008

GRADES: 11

CREDIT (English): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: 10th Grade English

**COURSE DESCRIPTION:** English 11 is a required course for all juniors. Major emphasis in the course is placed on a study of American literature and composition. The literary studies concentrate on the historic, romantic and modern periods through a variety of genre including three novels and two plays. Composition studies center on expository themes and research writing with additional narrative and descriptive pieces spread throughout. Speech activities are generally outgrowths of literary studies, and vocabulary study is an integral part of the program.

## Honors English 11\*– Course #H0010

GRADES: 11

CREDIT (English- RACC Dual Enrollment): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Completion of written examination at end of Sophomore year.

**COURSE DESCRIPTION:** Honors English 11, which is taken in lieu of regular English 11, is designed for-bound juniors who desire to be better prepared for AP English taken in their senior year. By completing both the junior and senior level courses, students will have an excellent background to assist them in sitting for the Advanced Placement examination at the end of their senior year. The course's major components are composition and literary study. The literary components include the study of American literature. Composition assignments focus on expository themes and research writing with additional narrative and descriptive pieces spread throughout. Speech activities are generally outgrowths of literary studies; vocabulary study is an integral part of the program, and summer reading will be required.

**Please Note:** *Candidates are determined by their current English teacher's recommendation. Considered students must show strong writing and critical thinking skills, strong independent work habits and an interest in the subject matter. This course includes mandatory summer assignments.*

## English 12 – Course #H0011

GRADES: 12

CREDIT (English): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: 11th Grade English

**COURSE DESCRIPTION:** English 12 is a required course for all seniors. An area of concentration in this course is developing the students' abilities to analyze persuasion in media, research and business. Developing critical thinking skills through the reading of multiple genres of fiction from various historical periods and various types of non-fiction is also stressed. Composition study will emphasize expository theme writing, research writing and creative writing; speaking skills will be developed through individual and group presentations. Finally, vocabulary study will be a regular part of the academic program preparing students for both the academic and career worlds post-graduation.

## Advanced Placement English Literature 12\*– Course #H0012

GRADES: 12

CREDIT (English/RACC Dual Enrollment): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Honors English 11

**COURSE DESCRIPTION:** Advanced Placement English is a course offered to college-bound seniors in lieu of the standard English 12 course. It is designed to prepare students more fully to meet the requirements of general introductory courses in speaking, composition and literature which are mandatory for freshmen and sophomores at most colleges. The course's major components are composition and World Literature. Additionally, students will study poetry, short stories, plays and novels of literary merit. Students will not only read and discuss these important works, but they will also study the history and the culture of the era during which the work is written and the genre in which it is set. The course will include lessons in speech as well. Composition study will focus on expository theme writing, research writing, and creative writing. Speaking skills will be developed through literature-related individual and group presentations. Finally, vocabulary study will be a regular part of the course.

**Please Note:** *This course includes mandatory summer assignments. Students must read three works and complete school assignments on those predetermined works over the summer to be submitted upon their return to school the following year. Students who fail to fulfill the requirements will likely fail the first quarter. Students' knowledge of this material will be drawn upon throughout the year. Students are encouraged to take the AP exam at student expense in the Spring. Students experiencing significant financial need may be eligible for a fee reduction from the College Board. Please inquire for further details.*

## ENGLISH

## Creative Writing – Course #H0014

GRADES: 10, 11, 12

CREDIT (Elective): .5/ Semester

PERIODS/CYCLE: 4-6

PREREQUISITE: None

**COURSE DESCRIPTION:** This writing-intensive course will focus on the study and writing of both poetry and fiction. Emphasis in this course will be placed on student generated writing. This course uses interactive and inventive techniques to teach students not only how to write with imagination and style, but, more importantly, how to enjoy the writing process. Students will be expected to create portfolios of their original work, which will be shared regularly in group readings.

## Advanced Creative Writing – Course #H0015

GRADES: 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 4-6

PREREQUISITE: Creative Writing

**COURSE DESCRIPTION:** This course is an accelerated, writing intensive course taken only by students who possess a genuine interest in creative writing. Students must not only be highly motivated, but they must also have the self-discipline to work independently in a class of peers. Throughout the semester, we will read published works from various genres; moreover, we will analyze the structure of these creative pieces in original works. The course will be divided into three main categories: fiction, poetry, and nonfiction.

## Introduction to Acting & Theatre – Course #H0016

GRADES: 9, 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** The actor's craft of creating a character in scenes, plays, and improvisations is the emphasis of this class. Students will learn and experience the principles of acting in live performances. The basic aspects of production design and construction including directing, and stage makeup will also be explored. The emphasis of all projects and assignments is on performance.

**Please Note:** *No previous experience in the performing arts is required.*

## Theatrical Design – Course #H0017

GRADES: 9, 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** Theatrical Design equips students with the necessary craft skills and knowledge to design and construct theatrical scenery and props. Providing practical training in a hands-on environment, the classroom operates more as a theatre's workshop than a typical classroom. Design principles of script analysis, perspective, drafting and model making lead into the actual construction of a full set for the high school's play. The class also builds additional set pieces for other organizations throughout the district as needed. Both power and simpler hand tools are used by the students after safety training is conducted. Furniture and prop construction is included as well as specialized makeup construction such as beards, moustaches, scars and wounds. The basics of lighting and sound design are also covered throughout the course.

## Yearbook– Course #H0018

GRADES: 9, 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 4-6

PREREQUISITE: Completion of required writing sample, application reviewed by advisor

**COURSE DESCRIPTION:** Yearbook is an elective course offered to all students. The motto of this course is “LEARN by DOING.” Basic skills in yearbook production – research, reporting, writing, proofreading, photography, page layout, and desktop publishing, advertising, and business management are taught while students publish the annual yearbook, *TRACER*. High journalistic standards are maintained while students develop an understanding of and an appreciation for the true significance of yearbook journalism. Independence and productivity are required of all staff members.

## Telecommunications I, II, III, IV– Course #H0019, H0020, H0021, H0022

GRADES: 9, 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 4-6

PREREQUISITE: Positive teacher recommendations

**COURSE DESCRIPTION:** Telecommunications teaches basic skills and concepts for producing television program. Writing, speaking, audio-video recording, and teamwork for actual production comprise the course’s main elements. Telecommunications also considers the media’s content, societal role, influence, economic structure, new technology, current trends, history, and career possibilities. Students will learn through completing in-class productions and through programs produced for the school community as members of The Brandywine Broadcasting Network.

**Please Note:** *Course participants should have strong composition, oral, organizational, and analytical skills, a willingness to study broadcasting equipment and techniques, plus the ability to work independently and as part of a team.*

## Advanced Theatrical Design– Course #H0024

GRADES: 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Completion of Theatrical Design course

**COURSE DESCRIPTION:** Advanced Theatrical Design builds on the skills learned in Scenic Design. In addition to being team leaders with the new students, the advanced students will read and choose a one act play that can be used in performance for the elementary, middle and/or high school students. They will read one act plays or fairy tales and design, plan, and construct projects from beginning to end. The students will also work as shop stewards with the Theatrical Design students during that class. This class continues to provide practical training in a hands-on environment, the classroom operates more as a theater’s workshop than a typical classroom. Both power and simpler hand tools are used by the students after safety training is conducted. Furniture and prop construction is included as well as specialized makeup construction such as beards, mustaches, scars and wounds. The basics of lighting and sound design are also covered throughout the course.

# FACULTY

Mark Graham

## GIFTED

### A Deeper Look: The Science and Culture Seminar– Course #H1001

GRADES: 9

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: GIEP

**COURSE DESCRIPTION:** The Science and Culture Seminar gives students a deeper look into two exciting areas of the sciences and humanities. The first half of the course stresses fundamental scientific concepts by focusing on dinosaurs, offering students insights into their origins, behavior, diversity, and extinction. The second half enables students to develop their ability to do complex textual analysis by studying the visual language of film and the different strategies for making sense of narrative film and documentary.

### Advanced Seminar in Philosophy\*– Course #H1003

GRADES: 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: GIEP

**COURSE DESCRIPTION:** In this course, students will engage in the close study of selected topics in current philosophical discourse– especially as they relate to current events. Topics may include aesthetics, politics, consciousness and metaphysics.

### Advanced Placement Art History\*– Course #H1005

GRADES: 10 & 11

CREDIT (Elective– RACC Dual Enrollment): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Writing sample, teacher recommendation

**COURSE DESCRIPTION:** AP Art History will introduce students to the understanding and enjoyment of all aspects of the fine arts, focusing especially on painting, sculpture and architecture in their historical context. The course will concentrate primarily on Western art, from Greece and Rome to the twentieth century. Other artistic traditions, notably those of Asia, Africa and the Islamic world, will also be studied. Students are encouraged to take the AP exam at student expense.

**Please Note:** Students are encouraged to take the AP exam at student expense in the Spring. Students experiencing significant financial need may be eligible for a fee reduction from the College Board. Please inquire for further details.

# HEALTH & PHYSICAL EDUCATION

## FACULTY

Christopher Cole  
Jessica Lapinski

### Healthy Living– Course #H1101

GRADES: 9, 10, 11, 12

CREDIT (Health & Wellness): .25 / Semester

PERIODS/CYCLE: 3

PREREQUISITE: None

**COURSE DESCRIPTION:** Healthy Living is a required course for graduation. The course seeks to develop the students' understanding of overall health and wellness with a focus on sexual health, protection and prevention strategies, first aid, CPR, nutrition, as well as substance abuse. *BHHS students are required to take two H&PE courses to graduate, this course will fulfill one Health course requirement.*

### Physical Education I– Course #H1102

GRADES: 9, 10, 11, 12

CREDIT (Health & Wellness): .25 / Semester

PERIODS/CYCLE: 3

PREREQUISITE: None

**COURSE DESCRIPTION:** The required Physical Education I course will examine various physical activities and exercises. The major units of instruction include skills & strategies, lifetime activities, team games, and personal fitness. Within the course students will engage in activities that promote lifelong physical activity while exploring concepts of physical education. Students will be required to complete fitness testing as part of the personal fitness unit. *BHHS students are required to take two H&PE courses to graduate, this course will fulfill one Physical Education course requirement.*

### Wellness & Fitness Concepts– Course #H1103

GRADES: 10, 11, 12

CREDIT (Health & Wellness): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Healthy Living

**COURSE DESCRIPTION:** Wellness & Fitness Concepts along with PE II seeks to develop the students' understanding of overall health and wellness with a focus on the body systems as well as the care and management of the systems. Students will also be responsible for designing and implementing a fitness plan. *BHHS students are required to take two H&PE courses to graduate, this course will fulfill one Health course requirement.*

# HEALTH & PHYSICAL EDUCATION

## Personal Fitness & Safety– Course #H1104

GRADES: 10, 11, 12

CREDIT (Health & Wellness): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Healthy Living & Physical Education I

**COURSE DESCRIPTION:** Personal Fitness and Self-Defense is a course designed for those interested in developing and engaging in an active lifestyle during adolescence and through adulthood. The course will include a classroom content component as well as a physical education component. During the theory component, students learn about personalization of fitness and wellness to meet personal goals. Furthermore, the class will teach conflict resolution strategies and safety concepts for various environments and settings. Within the physical education aspect, students will create personalized programs focused on developing health elements of fitness as well as various verbal and physical self-defense techniques. *BHHS students are required to take two H&PE courses to graduate, this course will fulfill one H&PE course requirement.*

## Coaching & Officiating– Course #H1105

GRADES: 10, 11, 12

CREDIT (Health & Wellness): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Healthy Living & Physical Education I

**COURSE DESCRIPTION:** The Coaching and Officiating course covers the following topics: communication styles, coaching philosophies, officiating styles, behavior management in sport, teaching progression, game management for coaches and officials, conflict management, and the fundamentals of physical training. *BHHS students are required to take two H&PE courses to graduate, this course will fulfill one H&PE course requirement.*

## Promoting Mental & Emotional Wellness– Course #H1106

GRADES: 10, 11, 12

CREDIT (Health & Wellness): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Healthy Living & Physical Education I

**COURSE DESCRIPTION:** Promoting Mental and Emotional Wellness is a course that will acknowledge and address the mental health concerns in adolescents and adults while providing various strategies focused on prevention and managing current challenges. This semester course will have a classroom content component as well as a physical education component. *BHHS students are required to take two H&PE courses to graduate, this course will fulfill one H&PE course requirement.*

## Athletic Training I– Course #H1107

GRADES: 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Healthy Living

**COURSE DESCRIPTION:** Athletic Training I introduces students to the Athletic Training field. The course also focuses on the lower body specifically anatomy, injury classification, mechanisms of injury, injury care, as well as prevention and protection techniques. Students are required to participate in classroom activities, hands-on lab experiences, and complete required lab hours after school under the supervision of the Athletic Trainer to further insight into the field.

**Please Note:** *This course is recommended for those individuals seeking a career in the health field.*



# HEALTH & PHYSICAL EDUCATION

## Athletic Training II– Course #H1108

GRADES: 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Healthy Living & Athletic Training I

**COURSE DESCRIPTION:** Athletic Training II course is a continuation of Athletic Training I. The course focuses on the upper body specifically anatomy, injury classification, mechanisms of injury, injury care, as well as prevention and protection techniques. Students are required to participate in classroom activities, hands-on lab experiences, and complete required lab hours after school under the supervision of the Athletic Trainer to further insight into the field. Additionally, Athletic Training II will review first aid, CPR, and how to use an AED.

**Please Note:** This course is recommended for those individuals seeking a career in the health field.

## Physical Education Lab: Lifetime Activities– Course #H1109

GRADES: 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: minimum 1 day per cycle

PREREQUISITE: Physical Education I

**COURSE DESCRIPTION:** The Lifetime Activities / Physical Education Lab course will explore a variety of games while developing a foundation for healthy, physically active lifestyle. Activities may include, but are not limited to the following: Tennis, Frisbee Games, Walking, Yard Games, Volleyball, Weight Training etc. Many of the activities in which students will engage in during this course are of a less-competitive nature, emphasis will be placed on skill competency, team building, and/or individual improvement.

## Physical Education Lab: Team Games– Course #H1110

GRADES: 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: minimum 1 day per cycle

PREREQUISITE: Physical Education I

**COURSE DESCRIPTION:** The Team Games / Physical Education Lab (elective) course is an opportunity for students who are interested in exploring team games and exercise. These activities will be of a more competitive nature with emphasis on skill competency and team building. Basic rules and sportsmanship principles will also be discussed and evaluated.

# INDUSTRIAL ARTS

**FACULTY**  
Kevin Schmidt  
Jeffrey Sheeler

## Wood I– Course #H1201

GRADES: 9, 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** Woodworking will be open to all students from grades 9, 10, 11 and 12. This class will meet five periods per week for one semester. The students will be exposed to wood structure, blueprint reading, price figuring, shop safety, hand tool and machine woodworking, staining, finishing and other basic woodworking procedures. The students will have an opportunity to work with various woods, hand tools and machines necessary to cut, shape, form and finish these woods into an acceptable finished project. A project or projects must be completed in size or numbers acceptable for the amount of the time spent in shop to receive a passing grade.

**Please Note:** Project materials must be purchased by students. (maximum estimated cost \$25.00)

## Wood II– Course #H1202

GRADES: 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Successful completion of Wood I and the ability to complete all assignments independently.

**COURSE DESCRIPTION:** Wood II will be open to all students from grades ten, eleven and twelve who have successfully completed Wood I and have shown proficiency in their ability to construct wood projects. This class will meet five class hours per week for the entire year. Students will receive advanced instruction in many procedures covered in Wood I with special emphasis on selective machine cutting procedures. A special emphasis will also be given to design, planning, technique and craftsmanship in the construction of wood furniture. A project or projects must be completed in size or numbers, acceptable for the amount of the time spent in shop to receive a passing grade.

**Please Note:** Project materials must be purchased by the students. (maximum estimated cost \$25.00, per project)

## INDUSTRIAL ARTS

## Wood III– Course #H1203

GRADES: 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Wood II

***COURSE DESCRIPTION:*** Wood III will be open to all students in grades 11 and 12 who have successfully completed Wood I & Wood II. The course is designed to further develop the skills and techniques acquired in Wood I and Wood II. Students will dedicate one quarter of the year for a school-related project approved by the administration. For the remainder of the year, students can design a project or select one from an assortment of options online. The project should include the following components: working drawings, list of materials, construction procedure, board feet calculations and final cost of the project.

***Please Note:*** Project materials must be purchased by the students. (maximum estimated cost \$25.00, per project)

# MATHEMATICS

## FACULTY

Frank Gallagher

Jessica Roberts

Susan Small

Jennifer Swartzentruber

Benjamin Tannous

## Algebra I– Course #H0101

GRADES: (7,8) 9, 10, 11, 12

CREDIT (Math): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Algebra Foundations

**COURSE DESCRIPTION:** This course will study six main themes: operations with real numbers and expressions, linear equations, linear inequalities, functions, coordinate geometry, and data analysis. This course will provide students with experience in problem-solving situations. Students will be encouraged to make connections between math concepts and real-world applications. Algebra I is a required course for all students who have successfully completed Algebra Foundations. Upon successful completion of this course, students will take the Keystone Algebra I Exam.

## Algebra II– Course #H0103

GRADES: 9, 10, 11, 12

CREDIT (Math): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Algebra I

**COURSE DESCRIPTION:** Algebra II is an academic mathematics course designed for students who have successfully completed Algebra I. The course contains an in-depth study of operations with complex numbers, non-linear expressions, non-linear equations, patterns and relations, applications of functions, and data analysis. Throughout this course, the students will gain experience working through many problem-solving situations. This course is designed to be very hands-on and student oriented. Students will be encouraged to make connections between math concepts and real world applications to help them realize the importance of mathematics throughout their lives.

## MATHEMATICS

## Honors Algebra II\*– Course #H0105

GRADES: 9, 10, 11, 12

CREDIT (Math): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Algebra I & teacher recommendation

**COURSE DESCRIPTION:** Honors Algebra II is an academic mathematics course designed for students who have successfully completed Algebra I. The course contains an in-depth study of operations with complex numbers, non-linear expressions, non-linear equations, patterns and relations, applications of functions, and data analysis. Throughout this course, the students will gain experience working through many problem-solving situations. This course is designed to be very hands-on and student oriented. Students will be encouraged to make connections between math concepts and real world applications to help them realize the importance of mathematics throughout their lives. This course will move at a faster pace than the Algebra II course and will include the additional topics of logarithms, and probability and statistics.

## Geometry– Course #H0106

GRADES: 9, 10, 11, 12

CREDIT (Math): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Algebra II

**COURSE DESCRIPTION:** Geometry covers basic geometric figures, along with some proofs of theorems relating to these geometric figures. Specific topics covered are as follows: parallel lines, congruent triangle, polygons, quadrilaterals, similar triangle, circles, area, coordinate geometry, and elementary right triangle trigonometry.

## Honors Geometry\*– Course #H0108

GRADES: 9, 10, 11, 12

CREDIT (Math): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Honors Algebra II and teacher recommendation

**COURSE DESCRIPTION:** Honors Geometry covers basic geometric figures, along with some proofs of theorems relating to these geometric figures. Specific topics covered are as follows: parallel lines, congruent triangle, polygons, quadrilaterals, similar triangle, circles, area, coordinate geometry, and elementary right triangle trigonometry. This course will move at a faster pace than the Geometry course and will include the additional topics of trigonometric functions and identities.

## Trigonometry/Pre-Calculus– Course #H0110

GRADES: 9, 10, 11, 12

CREDIT (Math): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Algebra I, Geometry, Algebra II

**COURSE DESCRIPTION:** This course is required for students planning to enroll in AP Calculus AB. The Trigonometry portion of the course is concerned with the study of triangles. Periodic functions are discussed through the concept of circular functions. Graphing the functions will serve as an important method of examining the characteristics of these functions. Then, the trigonometric functions are developed and expanded upon. The Pre-Calculus portion of the course offers a more in-depth coverage of different types of functions, including logarithmic, exponential, and rational functions. Other topics include complex numbers, sequences, series, and limits.

## MATHEMATICS

## Introductory Statistics & Probability– Course #H0111

GRADES: 10, 11, 12

CREDIT (Math): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Algebra II

**COURSE DESCRIPTION:** The aim of this course is to provide students with a basic understanding of the fundamental concepts of statistics and probability. The early portion of the course will cover six main introductory themes: the nature of probability and statistics, frequency distributions and graphs, data descriptions, probability and counting rules, discrete probability distributions, and the normal distribution. As the course progresses, students will be exposed to a few higher-level topics used in data analysis: confidence intervals, hypothesis testing, and linear regression. The students will have several opportunities to work from a project-based perspective—making many different real-life connections to statistics and probability. Completion of this course should give students enough of a fundamental background to enroll in other statistical courses on the college level.

## Advanced Placement Statistics\*– Course #H0112

GRADES: 10, 11, 12

CREDIT (Math– RACC Dual Enrollment): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Algebra II

**COURSE DESCRIPTION:** AP Statistics will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will be exposed to four broad conceptual themes: Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference. AP Statistics is the equivalent of a one-semester, introductory, non-calculus based college course in statistics. It is recommended for students with career interests in the fields of social sciences, health sciences, business, engineering, and mathematics. Students are encouraged to take the AP exam at student expense.

**Please Note:** *Students are encouraged to take the AP exam at student expense in the Spring. Students experiencing significant financial need may be eligible for a fee reduction from the College Board. Please inquire for further details.*

## Advanced Placement Calculus AB\*– Course #H0113

GRADES: 11, 12

CREDIT (Math– RACC Dual Enrollment): 1.16 / Year

PERIODS/CYCLE: 7

PREREQUISITE: Algebra I, Geometry, Algebra II, Trigonometry/Pre-Calculus

**COURSE DESCRIPTION:** Calculus is high level mathematics that consists of the study of instantaneous changes, motion, areas, and accumulated rates of change. Calculus is a powerful tool that has many practical applications in science and engineering. This course builds off of skills and concepts that are developed in algebra, geometry, and trigonometry. Students should therefore have a strong background in these areas. Only those students who have earned a grade of B in Trigonometry and Analytic Geometry should consider taking AP Calculus AB. This course covers the material typically encountered in a 1st semester University level Calculus course. The aim of this course is to help prepare students for the Advanced Placement Calculus AB Exam that covers topics in single variable differential and integral calculus. The course content closely follows the College Board's suggested AP Calculus AB course outline. Numerical, graphical, and analytical approaches are emphasized and used to solve problems.

**Please Note:** *This course includes mandatory summer assignments. Students are encouraged to take the AP exam at student expense in the Spring. Students experiencing significant financial need may be eligible for a fee reduction from the College Board. Please inquire for further details.*

## MATHEMATICS

## Advanced Placement Calculus BC\*– Course

## #H0114

GRADES: 11, 12

CREDIT (Math– RACC Dual Enrollment): 1.16 / Year

PERIODS/CYCLE: 7

PREREQUISITE: Advanced Placement Calculus AB

**COURSE DESCRIPTION:** Advanced Placement Calculus BC builds off of skills and concepts developed in Algebra, Geometry, Trigonometry, and AP Calculus AB. Students should therefore have a strong background and interest in these areas. The aim of this course is to help prepare students for the Advanced Placement BC Exam that covers topics in single variable differential and integral calculus. This is a sequence course that requires an advanced depth of understanding of AP Calculus AB topics. This course includes all topics in Calculus AB, plus additional topics such as parametric, polar, and vector functions, integration by parts, and polynomial approximations and series. Numerical, graphical, and analytical approaches are used and emphasized to solve problems.

**Please Note:** Students are encouraged to take the AP exam at student expense in the Spring. Students experiencing significant financial need may be eligible for a fee reduction from the College Board. Please inquire for further details.

## Advanced Placement Pre-Calculus\*– Course #H0119

GRADES: 9, 10, 11, 12

CREDIT (Math): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Algebra I, Algebra II, Geometry, Teacher recommendation

**COURSE DESCRIPTION:** In AP Precalculus, students explore everyday situations and phenomena using mathematical tools and lenses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. They will learn how to observe, explore, and build mathematical meaning from dynamic systems, an important practice for thriving in an ever-changing world.

AP Precalculus prepares students for other college-level mathematics and science courses. The framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science. Students study each function type through their graphical, numerical, verbal, and analytical representations and their applications in a variety of contexts. Furthermore, students apply their understanding of functions by constructing and validating appropriate function models for scenarios, sets of conditions, and data sets, thereby gaining a deeper understanding of the nature and behavior of each function type.

**Please Note:** Students are encouraged to take the AP exam at student expense in the Spring. Students experiencing significant financial need may be eligible for a fee reduction from the College Board. Please inquire for further details.

## Fundamentals of Higher Math– Course #H0120

GRADES: 9, 10, 11, 12

CREDIT (Math): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Algebra I, Teacher recommendation

**COURSE DESCRIPTION:** This course will provide opportunities to revisit and expand the understanding of foundational algebra concepts. This course will emphasize both algebra and numeracy in a variety of contexts including number sense, proportional reasoning, quantitative reasoning with functions, and solving equations and inequalities. Students will be encouraged to make connections between math concepts and real-world applications.



# FACULTY

Adam Rabenold

Benjamin Saltzburg

# MUSIC

## Concert Band– Course #H1301/2

GRADES: 9, 10, 11, 12

CREDIT (Elective): .5 / Year

PERIODS/CYCLE: 3

PREREQUISITE: None

**COURSE DESCRIPTION:** The Concert Band consists of students in grades 9-12 who wish to continue their instrumental music performing experience from Middle School. Concert Band students will perform music at the grade 2- 4 level and will include both new and old compositions from the wind band repertoire, in addition to continue developing fundamental music elements to help strengthen students' musical abilities in a performance setting. Focal points for this ensemble will include the following: proper instrument techniques, proper fingerings / slide positions for each instrument, development of quality tone production and performance range, basic music theory, playing in major and minor scales, and possibly performing in modes, all the while gaining a strong understanding of performing as an ensemble. Playing exams will be conducted during each grading period to include excerpts from the music being performed in class and scales. Student lessons will be available during the school day.

**Please Note:** Students are expected and encouraged to practice their instrument at home and must be available for evening concerts and performances, as this is part of the student's grade. Additionally, dress rehearsals may take place the week of or directly prior to the concert.

## Jazz Ensemble– Course #H1303/4

GRADES: 9, 10, 11, 12

CREDIT (Elective): .5 / Year

PERIODS/CYCLE: 3

PREREQUISITE: Audition Required

**COURSE DESCRIPTION:** Jazz ensemble is a class designed for those students who are interested in a more detailed study of American jazz music. A wide range of jazz music will be performed. Much emphasis is placed on improvisation and the skills of jazz harmony and rhythm. Through listening to recordings, critiquing, analyzing, discussion and application, students will learn a variety of jazz styles found within this genre. Students will understand the history of jazz and be able to associate specific musicians to distinct types of jazz.

**Please Note:** This is a performance class; therefore, students are expected to attend all rehearsals, sectionals and performances. Private lessons are strongly encouraged but not required. Practicing at home is expected and will vary with the individual.

## High School Concert Choir– Course #H1305/6

GRADES: 9, 10, 11, 12

CREDIT (Elective): .5 / Year

PERIODS/CYCLE: 3

PREREQUISITE: None

**COURSE DESCRIPTION:** Concert Choir is one of three choral ensembles at Brandywine Heights High School and is open to students of varying abilities and musical backgrounds. This course is designed to develop musicianship skills and foster musical independence in choral music students. Students may select the course each school year and are not required to audition in order to participate in the ensemble. The Concert Choir performs choral literature chosen from a broad range of genres, historical eras, and cultures and has three major performances including the winter and spring concerts and Music In Our Schools. Students will learn how to demonstrate appropriate, proper, and healthy vocal technique and production; identify, describe, and apply basic elements of music; perform choral literature accurately and fluently, both alone and with others; and apply knowledge of historical and cultural influences, as well as composers' expressive intent, to perform choral literature to the highest quality.

## Chamber Singers– Course #H1307/8

GRADES: 9, 10, 11, 12

CREDIT (Elective): .5 / Year

PERIODS/CYCLE: 3

PREREQUISITE: Audition Required

**COURSE DESCRIPTION:** Chamber Singers is one of three choral ensembles at Brandywine Heights High School and one of two select ensembles. This course is designed to develop advanced musicianship skills and foster musical independence in choral music students. Students may select the course each school year and are required to audition in order to participate in the ensemble. Chamber Singers performs advanced choral literature chosen from a broad range of genres, historical eras, and cultures and has three major performances including the winter and spring concerts and Music In Our Schools. In addition to these main performances, the ensemble performs regularly at school and community events. Students will learn how to demonstrate appropriate, proper, and healthy vocal technique and production; identify, describe, and apply basic elements of music; perform choral literature accurately and fluently, both alone and with others; and apply knowledge of historical and cultural influences, as well as composers' expressive intent, to perform choral literature to the highest quality.

## Music Appreciation– Course #H1309

GRADES: 9, 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** Music appreciation is a non-performance based course that offers students at varying levels of interest, knowledge, and literacy of music the opportunity to gain a deeper understanding of foundational musical concepts. This course is designed to increase and develop students' musical interest, knowledge, and literacy.

## Music Theory– Course #H1310

GRADES: 9, 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Current or previous ensemble participation, completion of Music Appreciation or Guitar I course, or passing of an applicable written test

**COURSE DESCRIPTION:** Music Theory is designed for students who desire to become more musically literate and is recommended for students who wish to gain a deeper understanding of music. This course will develop students' aural, written, compositional, analytical, and performance skills, covering topics such as note and rhythm reading, scales, key signatures, basic chords, and ear training. Music Theory is a prerequisite for the AP Music Theory course.

**Please Note:** *This highly structured course is recommended for the serious, self-motivated student who wishes to experience the challenges of deeper experiences in aural and written music.*

## Guitar– Course #H1311

GRADES: 9, 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** The Guitar I course offers students at varying levels of interest, knowledge, and literacy of music the opportunity to engage with music by learning guitar. This course is designed to develop music literacy, musicianship skills, and creativity in students from a broad range of musical backgrounds. Students will learn how to properly tune and care for a guitar, read musical notation, play chords and melodies on the guitar, and record their guitar performances.

## Advanced Placement Music Theory\*– Course #H1312

GRADES: 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Completion of Music Theory course or passing of an application written/aural test

**COURSE DESCRIPTION:** AP Music Theory is designed for students who are highly interested in and very serious about music theory. This course builds on the content and skills taught in Music Theory and will further develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. Students in AP Music Theory must be highly motivated, self-disciplined, and eager to learn. It is strongly recommended for students who plan to pursue a music major in college.

**Please Note:** *Students are encouraged to take the AP exam at student expense in the Spring. Students experiencing significant financial need may be eligible for a fee reduction from the College Board. Please inquire for further details. Students may be asked to complete summer work and/or practice to help retain content and skills from Music Theory.*

## Instrumental Music Lab– Course #H1313

GRADES: 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Enrollment in Concert Band and/or Jazz Ensemble

**COURSE DESCRIPTION:** Band Lab gives instrumental students the flexibility to practice independently, rehearse in groups, and learn about topics in music that are outside of the regular curriculum. Band Lab can be scheduled in combination with labs for other classes (e.g. Physics, Anatomy, Choir, etc.).

## Vocal Music Lab– Course #H1314

GRADES: 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Enrollment in Concert Choir or participation in Treble Choir

**COURSE DESCRIPTION:** Choir Lab gives choral students the flexibility to practice independently, rehearse in groups, and learn about topics in music that are outside of the regular curriculum. Choir Lab can be scheduled in combination with labs for other classes (e.g. Physics, Anatomy, Band, etc.).

## Guitar II– Course #H1315

GRADES: 10, 11, 12

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Completion of Guitar I course

**COURSE DESCRIPTION:** The Guitar II course offers students the opportunity to build upon what they learned in the Guitar I course and to further develop their music literacy and musicianship skills through guitar performance. Students will continue to learn how to play chords and melodies on the guitar and will also learn more advanced strumming patterns and recording techniques.

# PROJECT LEAD THE WAY PRE- ENGINEERING PROGRAM

## FACULTY

Kevin Schmidt  
Jeffrey Sheeler

Project Lead the Way is a college recognized pre-engineering program designed to introduce students to the career of engineering. This program prepares students for the types of engineering classes they will be taking in college. Students planning to major in engineering can benefit by completing the entire program, or just by taking one of the classes. The program is comprised of three foundation courses, a specialization course, and a capstone course. Currently, four courses are being offered:

### Core Courses:

- ◆ Introduction to Engineering Design (IED)
- ◆ Principles of Engineering (POE)

### Specialization Course:

- ◆ Civil Engineering & Architecture (CEA)
- ◆ Digital Electronics (DE)

**NOTE:** Students who plan to seek college credit for PLTW work must take the core courses in the sequence noted above. Classes may be taken independently for BHHS credit.

# PLTW: PRE-ENGINEERING

52

## Exploring Engineering– Course #H1401

GRADES: 9, 10

CREDIT (Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** Students will be guided through basic computer skills and then into the fundamentals of CADD work with basic CADD software. Pupils will become familiar with menu use and procedures that basic menu selection can produce, as well as correcting techniques, saving and retrieval of drawings, selecting line widths and types, page layers and dimensioning.

## Introduction to Engineering Design (IED)– Course #H1402

GRADES: 9, 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Algebra I

**COURSE DESCRIPTION:** Introduction to Engineering Design TM (IED) exposes students to design process, engineering standards, research and analysis, technical documentation, global and human impacts, communication methods, and teamwork. IED gives students the opportunity to develop skills and understanding of course concepts through activity-, project-, and problem-based (APPB) learning. Used in combination with a teaming approach, APPB-learning challenges students to continually hone their interpersonal skills, creative abilities and understanding of the design process. It also allows students to develop strategies to enable and direct their own learning, which is the ultimate goal of education. The course assumes no previous knowledge, but students should be concurrently enrolled in college preparatory mathematics and science. Students will employ engineering and scientific concepts in the solution of engineering design problems. In addition, students use a state of the art 3D solid modeling design software package to help them design solutions to solve proposed problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges that increase in difficulty throughout the course. Students will also learn how to document their work, and communicate their solutions to their peers and members of the professional community.

## Principles of Engineering (POE)– Course #H1403

GRADES: 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Introduction to Engineer Design (IED)

**COURSE DESCRIPTION:** This course provides an overview of engineering and engineering technology. Students will develop problem-solving skills by tackling real-world engineering problems. This course provides a hands-on approach to science, math, and technology. Through theory and practical hands-on experience, students will become familiar with the multifaceted career of engineering. This course will explore the following topics: Design Process, Communication and Documentation, Engineering Systems, Fluid Power, Electronics, Robotics, Mechanical Systems, Materials and Materials Testing, Thermodynamics, and Engineering for Quality and Reliability. Students will work on projects such as Energy Transfer Devices, Marble Sorters, Balsa Wood Bridges, Pneumatic Labs, Electronic Labs, Ping Pong Ball Launchers, Hero's Engines, and a Tensile Testing Activity. In addition to the core topics like materials, pneumatics, and electronics, students will explore: civil engineering and architecture, computer-aided design, and manufacturing.

**Please Note:** There is a \$10 lab fee associated with this course. Project materials must be purchased by students.

# PLTW: PRE-ENGINEERING

53

## Digital Electronics (DE)\* – Course #H1404

GRADES: 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Principles of Engineering (POE)

**COURSE DESCRIPTION:** How do robots make decisions? How does my calculator work? What does an electrical engineer do? While seeking the answers to the listed questions, students will gain skills in basic electronics, logical thinking, problem solving, and trouble shooting. Digital electronics is so imbedded in daily life, from listening to music to withdrawing money from a bank, that it has invaded many other areas of engineering. This course is designed to teach applied logic, which introduces the basics of electronics and digital systems, the building blocks to many products used. The course is designed to expose students to engineering design and troubleshooting techniques that are used in the electronics field. Computer simulation software is used to design and test digital circuitry prior to actually constructing them in order to see if the circuits work. The projects are traditional, from watches, digital cameras, and calculators to combinational logic using SSI chips to small subsystem implementation in programmable devices, where students can learn how machines “think.” Students will also learn a systematic approach to engineering used in the field every day.

## Civil Engineering & Architecture (CEA)\* – Course #H1405

GRADES: 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Principles of Engineering (POE)

**COURSE DESCRIPTION:** Civil Engineering and Architecture introduces students to the interdependent fields of civil engineering and architecture; students learn project planning, site planning and building design.



## FACULTY

Christa Heagerty

Brian Keeny

Mary Ann Lambert

Kristen Miller

Chris Reed

# SCIENCE

## General Science– Course #H0201

GRADES: 9

CREDIT (Science): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** General Science is the standard science option for 9<sup>th</sup> grade students. The main focus of the course is physical science with excursions into biological connection for each of the topics covered. The study of physical science emphasizes scientific theory and development of investigation skills through the application of the scientific method in laboratory exercises. The course is broken into three major units. The first unit, chemistry, involves atoms, chemical bonds, chemical reactions, and solutions. The second unit, physics, focuses on motion, forces, work, energy, and simple machines. In the third and final unit, environmental science, the course will help the students understand the environment around them, and the interactions that they have with their environment.

## Honors General Science\*– Course #H0203

GRADES: 9

CREDIT (Science): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Recommended by 8th grade science teacher

**COURSE DESCRIPTION:** Honors General Science is the advanced science option for 9<sup>th</sup> grade students. This course is designed for students who learn at a fast pace, and are willing to work at a more rigorous pace. Along with a faster moving curriculum, there are more hands-on experiments throughout the year. The structure of the course is similar to General Science, in that the three main units of study are chemistry, physics, and environmental science. Where this course excels is in the content that is covered within those three units. In addition to what is covered in General Science, Honors General Science also includes radioactivity and nuclear energy in the chemistry unit and electricity and waves in the physics unit.

## Applied Biology– Course #H0204

GRADES: 10

CREDIT (Science): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: General Science

**COURSE DESCRIPTION:** This life science course focuses on reading for information and written expression of knowledge. Skills in citing evidence are developed as we learn biology concepts. Cells and cell processes, bioenergetics, genetics, evolution, and ecology are the main topics discussed throughout the year. This course is heavy in applying concepts through projects and lab exercises. It culminates with the Keystone exam after a review of all of the biological concepts covered throughout the Applied Biology class.

## Biology I– Course #H0205

GRADES: 10

CREDIT (Science): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Grade of > 75% in General Science

**COURSE DESCRIPTION:** Biology I is an academically rigorous course recommended for the student who is planning to pursue higher education. Science as a method of inquiry is emphasized throughout the year. This course is structured around a series of major themes; biochemistry, cellular anatomy and physiology, evolution, genetics and classification of organisms. In addition to content area of study, a focus is placed on communication, organizational skills, efficient note-taking, study skills, and application of issues to life experiences.

## Honors Biology I\*– Course #H0206

GRADES: 10

CREDIT (Science– RACC Dual Enrollment): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Final grade of > 92% in General Science and teacher recommendation

**COURSE DESCRIPTION:** Honors Biology curriculum is structured around a series of major themes that include biology and everyday life, chemical basis of life, anatomy and physiology of cells, chemical energy, cellular reproduction, genetics, concepts of evolution and ecology and biological diversity. The material presented in the honors course will be offered at an accelerated pace with the student being expected to do more reading and independent written work. This course will demand that the student have excellent organizational skills as well as above average reading comprehension. Several projects will be completed during the year with emphasis on experiencing the scientific method via laboratory experience, independent library research, and application and synthesis of material presented. Testing methods will require memorization of scientific terminology but will concentrate on application and synthesis of concepts. Each student will be assessed in the following areas: test, quizzes, homework, projects, class participation, notebooks, laboratory experiences, and in class assignments. Upon completion of this course all students are required to take the Biology Keystone exam.

## Anatomy and Physiology\*– Course #H0207

GRADES: 11, 12

CREDIT (Science): 1.16 / Year

PERIODS/CYCLE: 7

PREREQUISITE: Completion of Biology I or Honors > 84%

**COURSE DESCRIPTION:** Anatomy and Physiology is an academically rigorous course intended for students interested in pursuing higher education in the medical or biological fields of science. The course is structured around a series of major themes: medical terminology, organization of the body, characteristics of life, cellular anatomy and physiology, histology, skeletal system, muscular system and the nervous system. Laboratory activities will support and enrich lecture materials. Students taking this course are required to have organizational skills, efficient note taking skills and communication skills.

## Advanced Placement Environmental Science\*– Course #H0208

GRADES: 11, 12

CREDIT (Science): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Biology (final grade of 85% or above), Algebra II (final grade of 85% or above)

**COURSE DESCRIPTION:** Environmental science is the study of various issues and interactions facing earth's environments. This is an interdisciplinary course, drawing from overarching science concepts; specifics in biology, chemistry, and geology; calculations and graph interpretation; and sociological analysis of legal and cultural issues that relate to the environment and use of resources. This course covers the material typically encountered in a 1st semester college Environmental Science course. The goal is to prepare students for the Advanced Placement Environmental Science exam. The class reviews topics recommended by The College Board: ecosystems, biodiversity, population, earth's systems and resources, land and water use, energy resources and consumption, pollution, and global changes all in light of the role of human impact.

**Please Note:** Students are encouraged to take the AP exam at student expense in the Spring. Students experiencing significant financial need may be eligible for a fee reduction from the College Board. Please inquire for further details.

## Chemistry I– Course #H0209

GRADES: 11

CREDIT (Science): 1.16 / Year

PERIODS/CYCLE: 7

PREREQUISITE: Successful completion of Algebra I and Biology I or Honors Biology

**COURSE DESCRIPTION:** Chemistry is the study of matter. The following topics are included in the course: classification of matter, structure of the atom, bonding, periodicity, chemical calculations, and phases of matter, nomenclature, and reactions. This course is highly recommended for college bound students. Hands-on laboratory activities are an integral component of the course.

**Please Note:** A scientific calculator is required.

## Chemistry II\*– Course #H0210

GRADES: 12

CREDIT (Science– RACC Dual Enrollment): 1.16 / Year

PERIODS/CYCLE: 7

PREREQUISITE: Successful completion of Algebra II & Chemistry I

**COURSE DESCRIPTION:** Chemistry II is highly recommended for college bound students. It is a continuation of Chemistry I. The following topics are included: solutions, chemical equilibrium, electro-chemistry, nuclear chemistry, organic chemistry, and chemical kinetics. Hands-on laboratory activities are an integral component of the course.

**Please Note:** A scientific calculator is required.

## Science in the Community– Course #H0211

GRADES: 11, 12

CREDIT (Science): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Student must have passed Biology.

**COURSE DESCRIPTION:** Science in the community is a course designed for students who do not necessarily intend to continue their science education. The emphasis is on development of problem solving skills that can be applied in a variety of real life situations. The curriculum is broad enough to accommodate the interests of a variety of students and the expertise of different teachers. The following topics are included in Physical Science: Forensics, including fingerprint analysis and DNA analysis; transportation systems including how cars, trains and planes work and also how these systems are integrated; buildings and their systems including plumbing, electrical, structural, HVAC, etc.; and food science, including where our food comes from as well as how it is prepared. This course will stress problem solving skills rather than mastery of a specific set of information. Hands-on laboratory activities and field trips will be an integral component of this course.

## Applied Physics– Course #H0212

GRADES: 11, 12

CREDIT (Science): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Foundations of Algebra & General Science or any Biology course

**COURSE DESCRIPTION:** Elementary Physics is a rigorous course suited for those who are pursuing a college career in a non-science major or for students who are pursuing technical careers in manufacturing, electronics, automotive, etc. The aim of this course is to introduce students to topics in physics with the emphasis on connecting theory to practical applications. Topics included are: the nature of science, motion, forces, Newton's Laws, energy, heat, fluids, radioactivity, harmonic motion, waves, sound, light, optics, electricity & magnetism. This is a laboratory-centered course, which emphasizes a hands-on approach to learning science. The mathematics involved in the course is limited to Algebra I concepts. Students are required to keep a notebook, write lab reports, take quizzes and tests, and complete in-class assignments.

## Physics– Course #H0213

GRADES: 11, 12

CREDIT (Science): 1.16/ Year

PERIODS/CYCLE: 7

PREREQUISITE: Algebra II, Chemistry I & Trigonometry/ Pre-calculus OR concurrent Enrollment in Trigonometry/Pre-calculus

**COURSE DESCRIPTION:** Physics is necessary for students who are interested in pursuing careers related to science, mathematics, or engineering. The aim of this course is to introduce students to a non-calculus based study of introductory physics. Topics included are: vectors, motion, forces, statics, dynamics, energy, momentum, rotation, gravitation, heat, harmonic motion, waves, light, optics, and electricity & magnetism. Focus will be on conceptual and mathematical approaches to solving physics problems. Laboratory work is an integral part of the course.

**Please Note:** Students taking this course should have a strong background in algebra and elementary trigonometry.

## Environmental Science– Course #H0214

GRADES: 11

CREDIT (Science): 1/ Year

PERIODS/CYCLE: 6

PREREQUISITE: General Science & Biology

**COURSE DESCRIPTION:** Environmental science is a cross-curricular course taking concepts from science, math, and social studies that interact with each other when dealing with environmental resources. Topics investigated include the different types of systems of the natural world (soil, water, atmosphere), matter and energy flow through varying ecosystems, pollution issues, human energy use and its impacts, and conservation choices on a changing planet.

## Agriculture Education Pathway

This pathway is designed to provide an opportunity for BHASD students to gain experiences in the fields and pathways associated with modern agriculture. Agriculture production is a vital part of Pennsylvania’s economic and cultural landscape, accounting for billions in economic activity and a variety of associated jobs. Over the next few years, BHASD is committed to developing opportunities for our students to be able to have access to new and exciting programs that highlight the industry. Students will have the opportunity to complete all 1320 hours of the state-approved career and technical program or may choose to take the courses that they are interested in as elective credits as they progress toward graduation.

AGRICULTURE CAREER PATHWAY (1320 HOURS)			
GRADE 9	GRADE 10	GRADE 11	GRADE 12
Introduction to Agriculture, Food, and Natural Resources <i>(120 hours)</i> <b>**Available in 24-25</b>	Supervised Agriculture Experience <i>(120 hours)</i> <b>**Available in 25-26</b>	Supervised Agriculture Experience <i>(120 hours)</i> <b>**Available in 25-26</b>	Supervised Agriculture Experience <i>(120 hours)</i> <b>**Available in 27-28</b>
Wildlife and Natural Resource Management <i>(120 hours)</i> <b>**Available in 24-25</b>	Food Science and Safety <i>(120 hours)</i> <b>**Available in 24-25</b>	Agri-Business <i>(120 hours)</i> <b>**Available in 26-27</b>	Large Veterinary Science <i>(120 hours)</i> <b>**Available in 27-28</b>
	Horticulture <i>(120 hours)</i> <b>**Available in 24-25</b>	Small Veterinary Science <i>(120 hours)</i> <b>**Available in 25-26</b>	AP Environmental Science <i>(120 hours)</i> <b>**Course to be included as part of Agriculture Program completion</b>

## Introduction to Agriculture, Food, and Natural Resources/FFA Leadership– Course #H0215

GRADES: 9, 10, 11, 12  
 CREDIT (Elective): 1/ Year  
 PERIODS/CYCLE: 6  
 PREREQUISITE: None

**COURSE DESCRIPTION:** Introduction to Agriculture, Food, and Natural Resources (AFNR) introduces students to the many facets of agricultural opportunities and the pathways in the areas of Food, Plant, and Animal Sciences. Introductory skills and knowledge are developed in this course throughout the agricultural curriculum as well as an introduction into the leadership roles of the Future Farmers of America (FFA).

**\*\*This course is a recommended prerequisite for all other courses in the agricultural program**

## The Natural World: Wildlife & Natural Resource Management– Course #H0216

GRADES: 9, 10, 11, 12

CREDIT (Elective): 1/ Year

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** The world's natural resources are the focus of this course, while emphasizing career exploration as students work with professionals in the field of wildlife and natural resources. Students in this course are introduced to and learn about conservation and abuse of the natural world through an examination of soils, forests, water, wildlife, mineral, and energy resources.

## Farm-to-Table: Understanding Food Science and Safety – Course #H0217

GRADES: 9, 10, 11, 12

CREDIT (Elective): 1/ Year

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** Students will investigate various food processing techniques that take agricultural products from the farm to the consumer's table. Students will examine the food industry and its safety standards, while focusing on microbiology and food safety techniques that are used to provide the world with a safely consumable food system. This course will include lab work as it focuses on pasteurization, the use of bacteria and yeast cultures, and the homogenization process.

## Horticulture: Plant Science– Course #H0218

GRADES: 9, 10, 11, 12

CREDIT (Elective): 1/ Year

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** Horticulture is the study of and the cultivation of vegetables, flowers, fruits, ornamental shrubs, and trees. This is a hands-on application course that focuses on plant propagation, grounds maintenance, floral design, and greenhouse propagation. Students in this course will study the various growing and management techniques and specific cultivation styles to enhance the hand-on approach of the course.



## FACULTY

Lori Angstadt

Lisa Ehrets

Jessica Kost

Susan Weaver

# SOCIAL STUDIES

## History I– Course #H0301

GRADES: 9

CREDIT (Social Studies): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** History I provides the student with a look at American history from the Reconstruction Era through World War II. Emphasis is placed on the study of cultural diversity, geographical diversity, democratic values, economic development, technological and societal change, constitutional heritage and the global relations of a nation transformed over time. Specific areas of interest are The West, Immigration, 2nd Industrial Revolution, the Gilded Age, Progressive Reform, the Spanish- American War, WWI, League of Nations, the Roaring Twenties, the Depression, the Holocaust, and WWII.

## Honors History I\*– Course #H0303

GRADES: 9

CREDIT (Social Studies): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** Honors History I is designed for students who have excelled in the areas of critical thinking, research analysis, and writing. The course provides students with an in-depth examination of American History from the Reconstruction Era through World War II. Emphasis is placed on writing and critical thinking skills necessary to craft responses to Document Based Questions and Long Essay Questions, which are a part of the College Board essay types. Students in this course will engage in authentic learning activities including performance based assessments which will examine topics related to the 1912 Election, Gilded Age, and Imperialism Films of America's acquisition of Power in the 1900s. Students will be expected to take notes from their textbook in a well maintained notebook. Close examination of primary sources and Text Dependent Analysis activities whereupon students are expected to use critical thinking skills will be routinely practiced. In addition, large group classroom discussions utilizing the Socratic method to engage in higher-level analysis of topics will be practiced daily. All in all, it is expected that students entering Honors History I are able to manage a more intensive, rigorous class while exercising thorough knowledge of the curriculum.

**Please Note:** This course includes mandatory summer assignments.

# SOCIAL STUDIES

## History II– Course #H0304

GRADES: 10

CREDIT (Social Studies): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: History I

**COURSE DESCRIPTION:** History II is an overview of recent American history and a study of the world events that profoundly impacted the United States between the years of 1945 and the present. The course begins with an examination of the outcomes / impact of World War II and the subsequent deterioration of U.S.-Soviet relations. Additional areas of focus include but will not be limited to the Civil Rights Movement, Dwight D. Eisenhower's administration, the Vietnam Conflict, Kennedy / Johnson years, Nixon's administration, the energy crisis, Reagan's administration and a social, political and economic analysis of the 50's, 60's, 70's, 80's and 90's. The course will conclude with an analysis of the events of September 11th and its implications on U.S. foreign policy.

## Advanced Placement U.S. History\*– Course #H0306

GRADES: 10

CREDIT (Social Studies - RACC Dual Enrollment): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: History I

**COURSE DESCRIPTION:** AP U.S. history is designed to provide a college level American history class in high school. Because of this advanced reading and writing will be required. U.S. history from 1492-1984 will be examined in depth using texts, primary and secondary documents. This class is recommended for those who have a desire to delve into history to examine trends and changes through time.

**Please Note:** This class may be taken in place of History II. This course includes mandatory summer assignments. Students are encouraged to take the AP exam at student expense in the Spring. Students experiencing significant financial need may be eligible for a fee reduction from the College Board. Please inquire for further details.

## History III– Course #H0307

GRADES: 11

CREDIT (Social Studies): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: History II

**COURSE DESCRIPTION:** History III is a study in modern world cultures and modern history focusing on non-western countries since the 1950's. Students will be able to examine history and culture of Africa, Asia and Central and South America as well as concentrate on some modern world dilemmas such as the quest for oil, struggles in the Middle East and global environmental concerns.

## SOCIAL STUDIES

## Advanced Placement World History: Modern\*– Course #H0308

GRADES: 11

CREDIT (Social Studies/Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: This credit may be taken in place of History III.

**COURSE DESCRIPTION:** In AP World History Modern: students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. It is beneficial, but not required that students have taken AP US History in 10<sup>th</sup> grade.

**Please Note:** This course includes mandatory summer assignments. Students are encouraged to take the AP exam at student expense in the Spring. Students experiencing significant financial need may be eligible for a fee reduction from the College Board. Please inquire for further details.

## U.S. Government/Economics– Course #H0309

GRADES: 12

CREDIT (Social Studies): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: Successful completion of History I & History II

**COURSE DESCRIPTION:** A real-life practical approach to the key concepts of our representative form of government is presented within this course. Focus is given to the history and structure of the government as well as the power games played within the election process. Special attention will be given to current political issues. This course will also examine the role that the government plays in the regulation of the U.S. economy (specifically in foreign affairs, global trade, entitlement programs, and budget issues).

## Advanced Placement U.S. Government & Politics\*– Course #H0310

GRADES: 12

CREDIT (Social Studies– Dual Enrollment): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: History III or AP World History, teacher recommendation, summer reading and essay

**COURSE DESCRIPTION:** Advanced Placement U.S. Government and Politics is a year-long course offered to seniors in place of the traditional semester U.S. Government course. The course is designed to give students a critical perspective on the institutions of American Government. It requires familiarity with various institutions, groups, and beliefs that lay the foundation of American politics. Those who wish to enroll in the course will be completing studies equivalent to an introductory college course in American Government and Politics.

**Please Note:** This course includes mandatory summer assignments. Students are encouraged to take the AP exam at student expense in the Spring. Students experiencing significant financial need may be eligible for a fee reduction from the College Board. Please inquire for further details.

# SOCIAL STUDIES

## Psychology– Course #H0311

GRADES: 11, 12

CREDIT (Social Studies/Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: History II or AP US History

**COURSE DESCRIPTION:** This course will introduce the fundamental theories about the development of the individual. It will focus on physiological and environmental components of human development as well as issues related to cognitive, personality and psychosocial development. Taking this course will provide information that could lead to an understanding of your own experiences and the behavior of others. It will also provide you with a strong background for an introductory college course in psychology.

## Sociology– Course #H0312

GRADES: 11, 12

CREDIT (Social Studies/Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: History II or AP US History

**COURSE DESCRIPTION:** Sociology is the study of human behavior in groups. This class will explore culture, race, ethnicity, gender, family, social class and aging issues. Taking this course will provide information that could lead to an understanding of how elements of society influence behavior.

## Contemporary American Media– Course #H0313

GRADES: 11, 12

CREDIT (Social Studies/Elective): .5 / Year

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** This course examines the use of social and informational media in the modern era to produce, consume, create and explain the cultural, political, economic and governmental topics as influenced by the spirit and the mood of the time period. Students will have the opportunity to examine and analyze political figures, media, social movement organizations as well as compare and contrast information to determine viability and credibility. The goal of the course is to provide students with the ability to be a responsible consumer of information, medial and political discourse, and to ultimately engage in responsible citizenship.

## History of Women– Course #H0314

GRADES: 11, 12

CREDIT (Social Studies/Elective): .5 / Semester

PERIODS/CYCLE: 6

PREREQUISITE: History II or AP US History

**COURSE DESCRIPTION:** While women are an essential component of society, their historical contributions are often overlooked. The role of women has changed from ancient civilizations to the current day. This course will examine issues that women face and study key women that have played a role in increasing opportunities for their gender. In spite of the efforts of the women's movement, sexism and discrimination still exist. This course is recommended for juniors and seniors who want to better understand how these issues influence both men and women historically and in the world today.

## FACULTY

Marcy Shoemaker-Bates

Angela Warsing

Susan Weaver

# WORLD LANGUAGES

## Spanish I– Course #H0401

GRADES: 9, 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** Spanish I is an introduction to the Spanish language. It is a course designed primarily to provide the student with the basic skills of listening, speaking, reading and writing. More emphasis is placed on receptive skills rather than productive skills. General cultural aspects of the Hispanic culture will be learned.

## Spanish II– Course #H0402

GRADES: 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Spanish I

**COURSE DESCRIPTION:** Spanish II is the continuation of Spanish I. The course further develops the four basic language skills: listening, speaking, reading and writing. More complex grammatical structures will be studied. Latin American culture will be emphasized through technology based performance assessments such as the creation of brochures, graphic presentations and podcasts.

# WORLD LANGUAGES

## Spanish III– Course #H0403

GRADES: 11, 12

CREDIT (Elective– RACC Dual Enrollment): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Spanish II

**COURSE DESCRIPTION:** Spanish III is the continuation of Spanish II. Although the course stresses the four basic language skills of speaking, listening, reading and writing, more emphasis is placed on the productive skills of speaking and writing. Spanish culture is studied in detail. It is suggested that students earn an “80%” or better in Spanish II or Spanish III. Students will read excerpts from novels such as “Como Agua para Chocolate” and non-fiction articles. Students will fuse literature, culture, vocabulary and grammar together through technology based performance assessments such as the writing of poetry, graphic presentations and short videos.

## Spanish IV\*– Course #H0404

GRADES: 12

CREDIT (Elective– RACC Dual Enrollment): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: Spanish III

**COURSE DESCRIPTION:** Spanish IV is a continuation of Spanish III. More complex grammatical structure will be studied. Emphasis will be placed on speaking and writing the Spanish language. Students will focus on reading short stories, various essays, newspapers and magazines in the Spanish language. Students will read and analyze an abridged version of Don Quijote. Integration of literature, culture, vocabulary and grammar will occur through technology based performance assessments such as graphic presentations, poetry, podcasts and short films.

## German I– Course #H0405

GRADES: 9, 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: None

**COURSE DESCRIPTION:** German I offers an introduction to the German language. It is a course designed primarily to provide the student with basic abilities in the four skills areas: listening, reading, writing, and speaking. While primary emphasis is on the receptive abilities to listen and read, students will need to actively produce the target language both in oral and written format. Class will be conducted in the target language as possible and appropriate.

## German II– Course #H0406

GRADES: 10, 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: German I

**COURSE DESCRIPTION:** German II will expand the topics for which student will be responsible within the German language. It is a course designed primarily to provide the student with basic to intermediate abilities in the four skills areas: listening, reading, writing, and speaking. Emphasis is on both the receptive abilities (listening and reading) and productive abilities (speaking and writing). Class will be conducted in the target language as possible and appropriate.

# WORLD LANGUAGES

## German III- Course #H0407

GRADES: 11, 12

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: German II

**COURSE DESCRIPTION:** German III will give more depth to the topics, which student will be responsible for within the German language. It is a course designed primarily to provide the student with intermediate abilities in the four skills areas: listening, reading, writing, and speaking. Emphasis is on both the receptive abilities (listening and reading) and productive abilities (speaking and writing). Class will be conducted in the target language as possible and appropriate.

## German IV\*- Course #H0408

GRADES: 11

CREDIT (Elective): 1 / Year

PERIODS/CYCLE: 6

PREREQUISITE: German III

**COURSE DESCRIPTION:** German IV will give more depth to the topics, which student will be responsible for within the German language. It is a course designed primarily to provide the student with intermediate to advanced intermediate abilities in the four skills areas: listening, reading, writing, and speaking. Emphasis is on both the receptive abilities (listening and reading) and productive abilities (speaking and writing). Class will be conducted in the target language as possible and appropriate.



The Brandywine Heights Virtual Academy is an extension of the Brandywine Heights Area School District that provides an online education for students who excel in a non-traditional classroom setting. Through the Brandywine Heights Virtual Academy, BHVA, the Brandywine Heights High School offers numerous online courses to satisfy a variety of student needs. Students may choose to take all their courses online or they may choose to take a blending of online courses and traditional courses in our schools. Our virtual academy is used for core curriculum and for elective courses. If you are interested in online courses, contact your guidance counselor.

## BHVA ELECTIVES

Elective courses offered online only. Each are semester based unless indicated \*\*

### Advanced Placement (All courses are weighted.)

- Biology +
- Calculus AB
- Calculus BC+
- Chemistry+
- Computer Science A +
- English Language & Composition
- English Literature & Composition
- European History+
- French Language & Culture
- Human Geography
- Physics I+
- Psychology
- Spanish Language & Culture
- Statistics
- U.S. Government & Politics+
- U.S. History
- World History Modern

### Electives Courses (General)

- African–American History
- Anthropology I & II
- Archaeology
- Contemporary American Literature
- Creative Writing
- Economics
- Expository Reading & Writing \*\*
- Geography \*\*
- Gothic Literature
- History of the Holocaust
- Human Geography \*\*
- Literacy & Comprehension I & II\*\*
- Mythology & Folklore
- Personal Finance
- Philosophy
- Social Problems I & II
- World Religions

### Electives Courses (Career & Technical Education – CTE)

- Banking Services Careers
- Career Explorations \*\*
- Career Management
- Careers in Architecture & Construction
- Careers in Government & Public Administration
- Careers in Logistics, Planning & Management
- Careers in Transportation, Distribution & Logistics

\*\* Full Year Course      + Accelerate Course      ∞ Honors Option  
(online provider)

**BHVA ELECTIVES**

Elective courses offered online only. Each are semester based unless indicated \*\*

**Agriculture, Food & Natural Resources**

- Intro to Agriculture, Food & Natural Resources
- Agribusiness Systems
- Agriscience I
- Agriscience II \*\*
- Animal Systems
- Food Products & Processing Systems
- Forestry & Natural Resources
- Plant Systems
- Power, Structural & Technical Systems
- Renewable Technologies \*\*
- Veterinary Science

**Arts, Audio/Visual Technology & Communication**

- Art History
- Introduction to Art\*\*
- Introduction to Communications & Speech
- Public Speaking I & II
- Social Media
- Journalism I & II
- Music Appreciation

**Business, Management & Administration**

- Business Law
- Introduction to Business \*\*
- Introduction to Careers in Finance
- International Business
- Microsoft Office Specialist ©\*\*
- Small Business Entrepreneurship\*\*

**Education & Training**

- Early Childhood Education \*\*
- Careers in Education & Training
- Real World Parenting
- Teaching & Training Careers

**Health Science**

- Health Careers
- Introduction to Health Science\*\*
- Medical Terminology\*\*
- Nutrition & Wellness

**Hospitality & Tourism**

- Culinary Arts \*\*
- Food Safety & Sanitation
- Hospitality & Tourism I
- Hospitality & Tourism II
- Hotel & Restaurant Management\*\*
- Marketing & Sales for Tourism & Hospitality
- Planning Meetings & Special Events
- Sustainable Service Management for Hospitality & Tourism
- Transportation & Tours for the Traveler

\*\* Full Year Course

+ Accelerate Course

∞ Honors Option

(online provider)

**BHVA ELECTIVES**

Elective courses offered online only. Each are semester based unless indicated \*\*

**Human Services**

- Cosmetology: Personal Care Services
- Family & Community Services
- Fashion Design
- Interior Design
- Introduction to Consumer Services
- Introduction to Human Growth & Development
- Introduction to Human Services
- Peer Counseling

**Information Technology**

- Business Computer Information Systems \*\*
- Cybersecurity \*\*
- Introduction to Computer Science \*\*
- Introduction to Network Systems
- Technology & Business\*\*
- Web Development in the 21st Century

**Law, Public Safety, Corrections & Security**

- Careers in Criminal Justice
- Corrections: Policies & Procedures
- Criminology
- Forensics
- Introduction to Legal Studies
- Law, Public Safety, Corrections & Security
- Legal Services
- Military Careers
- National Security
- Principles of Public Service
- Security & Protective Services

**Marketing & Manufacturing**

- Advertising & Sales Promotion
- Careers in Marketing Research
- Manufacturing - Product Design & Innovation
- Sports & Entertainment Marketing

**Science, Technology, Engineering & Mathematics**

- Astronomy \*\*
- Biotechnology \*\*
- Concepts of Engineering & Technology
- Engineering Design
- Engineering & Product Development
- Forensic Science I & II
- Great Minds in Science
- Introduction to STEM
- Marine Science\*\*
- Mathematical Models with Applications \*\*
- Mathematics I, II, III
- Science & Mathematics in the Real World
- Scientific Discovery & Development
- Scientific Research
- STEM & Problem Solving

\*\* Full Year Course      + Accelerate Course      ∞ Honors Option  
(online provider)

**BHVA ELECTIVES**

Elective courses offered online only. Each are semester based unless indicated \*\*

**World Languages**

- American Sign Language I, II, III \*\*
- Chinese I & II \*\*
- French I, II, & III \*\*
- German I & II \*\*
- Latin I & II \*\*
- Spanish I, II, & III \*\*

**Core Courses**

- English 9, 10, 11, 12 \*\* ∞
- Pre-Algebra \*\*
- Algebra I \*\*∞
- Algebra II \*\*∞
- Geometry \*\*∞
- Precalculus \*\*∞
- Financial Math \*\*
- Statistics & Probability \*\*
- Anatomy & Physiology \*\*
- Biology \*\*∞
- Chemistry \*\*∞
- Earth & Space Science \*\*
- Environmental Science \*\*
- Health I & II
- Physical Education I & II
- Physical Science \*\*
- Physics \*\*∞
- Geography \*\*
- Civics & Government
- World History \*\*
- U.S. History I \*\*∞
- U.S. History II \*\*∞

\* One Semester AP Course    \*\* Full Year Course    + Accelerate Course    ∞ Honors Option  
(online provider)

PRINCIPAL	ASSISTANT PRINCIPAL
Matthew Dziunycz	William Ostroski
B.S., West Chester Univ. M.S., Pennsylvania State Univ.	B.A., King's College M.Ed., King's College
BHVA DIRECTOR	ATHLETIC DIRECTOR
Carolyn Hanych	Sarah Conrad
B.A. & B.S., Bloomsburg Univ. M.S., Wilkes Univ.	B.S., Pennsylvania State Univ. M.S., Concordia Univ. (in progress)

### GUIDANCE OFFICE

Adam Beacker

- B.A., Lycoming College
- M.A., Chatham Univ.
- M.S.Ed., St. Bonaventure Univ.

Anne Moll

- B.A., Alvernia Univ.
- M.Ed., Alvernia Univ.

Amy Yusella

- B.S., DeSales Univ.
- M.S., Kutztown Univ.
- N.C.C., National Certified Counselor

### ART

Patrick Lundy

- B.A., Kutztown Univ.
- M.Ed., Kutztown Univ.

Jennilee Greiss

- B.S., Kutztown Univ.

### BUSINESS

Michael Kistler

- B.S., Elizabethtown College
- M.Ed., Walden Univ.

Nicole Konyak

- B.S., Pennsylvania State Univ.
- M.S., Wilkes Univ.

Wendy Pristash

- B.S., Bloomsburg Univ.
- M.B.A., Bloomsburg Univ.

### ENGLISH

James Beck

- B.A., Kutztown Univ.
- M.A., Kutztown Univ.

Cheryl Bleiler

- B.A., Mansfield Univ. of PA

Maegan Harrison

- B.A., Albright College
- M.S., Albright College

Kirsten Paxson

- B.S., Kutztown Univ.
- M.S., Wilkes Univ.

Karen Davis Walia

- B.S.S. Cornell College

### ENGLISH AS A SECOND LANGUAGE

Lauren Gardner

- B.S., Kutztown Univ.

### GIFTED/ FINE ARTS

Mark Graham

- B.A., Connecticut College
- M.A., Kutztown Univ.
- Ph.D., Lehigh Univ.

### HEALTH AND PHYSICAL EDUCATION

Christopher Cole

- B.S., East Stroudsburg Univ.

Jessica Lapinski

- B.S., East Stroudsburg Univ.
- M.S., California Univ.

INDUSTRIAL ARTS	MUSIC (continued)
Kevin Schmidt • B.S., California Univ. of PA	Benjamin Saltzburg • B.A. West Chester Univ.
Jeffrey Sheeler • B.S., Kutztown Univ.	<b>NURSE</b>
<b>MATHEMATICS</b>	Jennifer Fodor • RN, St. Luke's School of Nursing • B.S.N., Cedar Crest College
Frank Gallagher • B.S., Kutztown Univ. • M.S., Wilkes Univ.	<b>SCIENCE</b>
Jessica Roberts • B.S. Temple University • M.S. Wilkes University	Christa Heagerty • B.S., West Chester Univ. Brian Keeny • B.S., Geneva College
Susan Small • B.S., West Chester Univ. • M.S., Wilkes Univ.	Mary Ann Lambert • B.S., Temple Univ. • M.Ed., Temple Univ.
Jennifer Swartzentruber • B.S., Pennsylvania State Univ. • M.Ed., Kutztown Univ.	Kristen Miller • B.S., Moravian Univ.
Benjamin Tannous • B.S., Elizabethtown College • M.A., Wilkes Univ.	Christopher Reed • B.S., Pennsylvania State Univ. • M.Ed., Lehigh Univ.
<b>MEDIA CENTER</b>	<b>SOCIAL STUDIES</b>
Jennifer Johnson • B.S., Kutztown Univ. • M.A., Kutztown Univ.	Lori Angstadt • B.A., Indiana Univ. of PA • M.Ed., DeSales Univ.
<b>MUSIC</b>	Lisa Ehrets • B.S., Kutztown Univ.
Adam Rabenold • B.A. & B.S., Lebanon Valley College	

SOCIAL STUDIES (continued)	WORLD LANGUAGE
<p>Jessica Kost</p> <ul style="list-style-type: none"> <li>• B.A., University of Delaware</li> <li>• 7-12 Social Studies teaching certification, DeSales Univ.</li> </ul>	<p>Marcy Shoemaker-Bates</p> <ul style="list-style-type: none"> <li>• B.S., Albright College</li> </ul> <p>Angela Warsing</p>
SPECIAL EDUCATION	<ul style="list-style-type: none"> <li>• B.A., Virginia Tech.</li> <li>• M.A., University of Alabama</li> </ul> <p>Susan Weaver</p> <ul style="list-style-type: none"> <li>• B.A., Temple Univ.</li> <li>• M.A., C&amp;I Kutztown Univ.</li> <li>• M.S. Ed., Wilkes Univ.</li> </ul>
<p>Ashley Deibler</p> <ul style="list-style-type: none"> <li>• B.S., Millersville Univ.</li> <li>• M.S., Wilkes Univ.</li> </ul>	
<p>Terry Flamm</p> <ul style="list-style-type: none"> <li>• B.A., Lafayette College</li> <li>• Special Education certification, East Stroudsburg Univ.</li> </ul>	
<p>Samantha McLean</p> <ul style="list-style-type: none"> <li>• B.A., Kutztown Univ.</li> </ul>	
<p>Jamie Nawrocki</p> <ul style="list-style-type: none"> <li>• B.S., Cedar Crest College</li> <li>• M.Ed., Lehigh Univ.</li> </ul>	
<p>Ryan Wehr</p> <ul style="list-style-type: none"> <li>• B.A., Pennsylvania State Univ.</li> <li>• M.Ed., Lehigh Univ.</li> </ul>	



# COURSE SELECTION FORM—9TH GRADE

STUDENT NAME: \_\_\_\_\_

STUDENT ID #: \_\_\_\_\_

## CORE SELECTIONS

ENGLISH				SCIENCE				SOCIAL STUDIES						
<input type="radio"/>	COURSE	COURSE #	COURSE CREDIT	RCVD	<input type="radio"/>	COURSE	COURSE #	COURSE CREDIT	RCVD	<input type="radio"/>	COURSE	COURSE #	COURSE CREDIT	RCVD
<input type="radio"/>	English 9	H0001	1.0		<input type="radio"/>	General Science	H0201	1.0		<input type="radio"/>	History I	H0301	1.0	
<input type="radio"/>	Honors English 9	H0004	1.0		<input type="radio"/>	Honors General Science	H0203	1.0		<input type="radio"/>	Honors History I	H0303	1.0	
<input type="radio"/>	Reading Support <i>Teacher Rec.</i>		1.0		<input type="radio"/>	Honors Biology I <i>Teacher Rec.</i>		H0206	1.0					
<b>GRAD REQUIREMENT</b>			<b>4.0</b>		<b>GRAD REQUIREMENT</b>			<b>4.0</b>		<b>GRAD REQUIREMENT</b>			<b>4.0</b>	
<b>TOTAL CREDITS</b>					<b>TOTAL CREDITS</b>					<b>TOTAL CREDITS</b>				
MATHEMATICS				WELLNESS/FITNESS				REQUIRED						
<input type="radio"/>	Pre-Algebra		1.0		<input type="radio"/>	Healthy Living	H1101	0.25		<input type="radio"/>	Freshman Seminar	H0701	0.5	
<input type="radio"/>	Algebra I	H0101	1.0		<input type="radio"/>	Physical Education I	H1102	0.25						
<input type="radio"/>	Fundamentals of Higher Math <i>Teacher Rec.</i>		1.0											
<input type="radio"/>	Algebra II	H0103	1.0											
<input type="radio"/>	Honors Algebra II	H0105	1.0											
<input type="radio"/>	Geometry	H0106	1.0											
<input type="radio"/>	Honors Geometry	H0108	1.0											
<b>GRAD REQUIREMENT</b>			<b>4.0</b>		<b>GRAD REQUIREMENT</b>			<b>1.0</b>		<b>GRAD REQUIREMENT</b>			<b>0.5</b>	
<b>TOTAL CREDITS</b>					<b>TOTAL CREDITS</b>					<b>TOTAL CREDITS</b>				

PARENT SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

# COURSE SELECTION FORM—9TH GRADE

## ELECTIVE SELECTIONS

<input checked="" type="radio"/>	COURSE	COURSE #	COURSE CREDIT	RCVD	<input type="radio"/>	COURSE	COURSE #	COURSE CREDIT	RCVD
<input checked="" type="radio"/>					<input type="radio"/>	Graphic Design I**	H0511	0.5	
<input type="radio"/>	Introduction to Acting & Theatre	H0016	1.0		<input type="radio"/>	Introduction to Computer Science	H0610	1.0	
<input type="radio"/>	Theatrical Design	H0017	1.0		<input type="radio"/>	Concert Band	H1301/2	0.5	
<input type="radio"/>	Yearbook	H0018	1.0		<input type="radio"/>	Jazz Ensemble	H1303/4	0.5	
<input type="radio"/>	Telecommunications I	H0019	1.0		<input type="radio"/>	Chamber Singers	H1307/8	0.5	
<input type="radio"/>	German I	H0405	1.0		<input type="radio"/>	Concert Choir	H1305/6	0.5	
<input type="radio"/>	Spanish I	H0401	1.0		<input type="radio"/>	Music Appreciation	H1309	0.5	
<input type="radio"/>	Foundations of Art	H0501	0.5		<input type="radio"/>	Music Theory	H1310	1.0	
<input type="radio"/>	Sculpture**	H0505	0.5		<input type="radio"/>	Guitar	H1311	0.5	
<input type="radio"/>	Drawing & Painting I**	H0502	1.0		<input type="radio"/>	Wood I	H1201	0.5	
<input type="radio"/>	3-D Design**	H0507	0.5		<input type="radio"/>	Exploring Engineering	H1401	0.5	
<input type="radio"/>	Digital Photography I**	H0508	0.5		<input type="radio"/>	Introduction to Engineering	H1402	1.0	
					<input type="radio"/>	Technology for Today & Tomorrow	H0601	0.5	
**PREREQUISITE IS REQUIRED									
<b>GRAD REQUIREMENT</b>								<b>7.0</b>	
<b>TOTAL CREDITS</b>									

# COURSE SELECTION FORM—10TH GRADE

STUDENT NAME: \_\_\_\_\_

STUDENT ID #: \_\_\_\_\_

## CORE SELECTIONS

ENGLISH				SCIENCE				SOCIAL STUDIES			
<input type="radio"/> COURSE	COURSE #	COURSE CREDIT	RCVD	<input type="radio"/> COURSE	COURSE #	COURSE CREDIT	RCVD	<input type="radio"/> COURSE	COURSE #	COURSE CREDIT	RCVD
<input type="radio"/> English 10	H0005	1.0		<input type="radio"/> Applied Biology	H0204	1.0		<input type="radio"/> History II	H0304	1.0	
<input type="radio"/> Honors English 10	H0007	1.0		<input type="radio"/> Biology I	H0205	1.0		<input type="radio"/> AP U.S. History <i>Dual Enroll.</i>	H0306	1.0	
				<input type="radio"/> Honors Biology I <i>Dual Enroll.</i>	H0206	1.0					
<b>GRAD REQUIREMENT</b>		<b>4.0</b>		<b>GRAD REQUIREMENT</b>		<b>4.0</b>		<b>GRAD REQUIREMENT</b>		<b>4.0</b>	
<b>TOTAL CREDITS</b>				<b>TOTAL CREDITS</b>				<b>TOTAL CREDITS</b>			
MATHEMATICS						WELLNESS/FITNESS					
<input type="radio"/> Algebra I	H0101	1.0		<input type="radio"/> AP Pre-Calculus	H0119	1.0		<input type="radio"/> Wellness & Fitness Concepts	H1103	0.5	
<input type="radio"/> Fundamentals of Higher Math	H0120	1.0		<input type="radio"/> AP Calculus AB	H0113	1.16		<input type="radio"/> Personal Fitness & Safety	H1104	0.5	
<input type="radio"/> Algebra II	H0103	1.0		<input type="radio"/> AP Calculus BC	H0114	1.16		<input type="radio"/> Coaching & Officiating	H1105	0.5	
<input type="radio"/> Honors Algebra II	H0105	1.0						<input type="radio"/> Mental & Emotional Wellness	H1106	0.5	
<input type="radio"/> Geometry	H0106	1.0									
<input type="radio"/> Honors Geometry	H0108	1.0									
<input type="radio"/> Trigonometry/Pre-Calculus	H0110	1.0									
<input type="radio"/> Intro to Statistics & Probability	H0111	1.0									
<input type="radio"/> AP Statistics	H0112	1.0									
<b>GRAD REQUIREMENT</b>						<b>4.0</b>		<b>GRAD REQUIREMENT</b>			<b>1.0</b>
<b>TOTAL CREDITS</b>								<b>TOTAL CREDITS</b>			

PARENT SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

# COURSE SELECTION FORM—10TH GRADE

## ELECTIVE SELECTIONS

<input checked="" type="radio"/>	COURSE	COURSE #	COURSE CREDIT	RCVD	<input type="radio"/>	COURSE	COURSE #	COURSE CREDIT	RCVD		
<input type="radio"/>	Concert Band	H1301/2	0.5		<input type="radio"/>	Technology for Today & Tomorrow	H0601	0.5			
<input type="radio"/>	Creative Writing	H0014	0.5		<input type="radio"/>	Computer Applications I	H0602	0.5			
<input type="radio"/>	Intro to Acting & Theatre	H0016	1.0		<input type="radio"/>	Computer Applications II**	H0619	0.5			
<input type="radio"/>	Theatrical Design	H0017	1.0		<input type="radio"/>	Introduction to Computer Science	H0610	1.0			
<input type="radio"/>	Advanced Theatrical Design	H0024	1.0		<input type="radio"/>	AP Computer Science Principles**	H0611	1.0			
<input type="radio"/>	Yearbook	H0018	1.0		<input type="radio"/>	AP Computer Science A**	H0612	1.0			
<input type="radio"/>	Telecommunication I	H0019	1.0		<input type="radio"/>	Music Appreciation	H1309	0.5			
<input type="radio"/>	Telecommunication II**	H0020	1.0		<input type="radio"/>	Music Theory	H1310	1.0			
<input type="radio"/>	German I	H0405	1.0		<input type="radio"/>	Vocal Music Lab	H1314	0.5			
<input type="radio"/>	German II**	H0406	1.0		<input type="radio"/>	Guitar	H1311	0.5			
<input type="radio"/>	Spanish I	H0401	1.0		<input type="radio"/>	Guitar II	H1315	0.5			
<input type="radio"/>	Spanish II**	H0402	1.0		<input type="radio"/>	Athletic Training I	H1107	0.5			
<input type="radio"/>	Foundations of Art	H0501	0.5		<input type="radio"/>	Athletic Training II**	H1108	0.5			
<input type="radio"/>	Sculpture**	H0505	0.5		<input type="radio"/>	Defensive Driving	H0801	0.5			
<input type="radio"/>	Sculpture II**	H0506	0.5		<input type="radio"/>	PE Lab: Lifetime Activities	H1109	0.5			
<input type="radio"/>	3-D Design**	H0507	0.5		<input type="radio"/>	PE Lab: Team Games	H1110	0.5			
<input type="radio"/>	Digital Photography I**	H0508	0.5		<input type="radio"/>	Wood I	H1201	0.5			
<input type="radio"/>	Digital Photography II**	H0509	0.5		<input type="radio"/>	Wood II**	H1202	1.0			
<input type="radio"/>	Graphic Design I**	H0511	0.5		<input type="radio"/>	Exploring Engineering	H1401	0.5			
<input type="radio"/>	Graphic Design II**	H0512	0.5		<input type="radio"/>	Introduction to Engineering	H1402	1.0			
<input type="radio"/>	Drawing & Painting I**	H0502	1.0		<input type="radio"/>	Principles of Engineering**	H1403	1.0			
<input type="radio"/>					<input type="radio"/>	Digital Electronics**	H1404	1.0			
<b>GIFTED</b>							<input checked="" type="radio"/>	COURSE	COURSE #	COURSE CREDIT	RCVD
							<input type="radio"/>	AP Art History**	H1005	1.0	
**PREREQUISITE IS REQUIRED											
<b>GRAD REQUIREMENT</b>									<b>7.0</b>		
<b>TOTAL CREDITS</b>											

# COURSE SELECTION FORM—11TH GRADE

STUDENT NAME: \_\_\_\_\_ STUDENT ID #: \_\_\_\_\_

## CORE SELECTIONS

ENGLISH				WELLNESS/FITNESS				SOCIAL STUDIES			
<input type="radio"/> COURSE	COURSE #	COURSE CREDIT	RCVD	<input type="radio"/> COURSE	COURSE #	COURSE CREDIT	RCVD	<input type="radio"/> COURSE	COURSE #	COURSE CREDIT	RCVD
<input type="radio"/> English 11	H0008	1.0		<input type="radio"/> Wellness & Fitness Concepts	H1103	0.5		<input type="radio"/> History III	H0307	1.0	
<input type="radio"/> Honors English 11 <i>Dual Enroll.</i>	H0010	1.0		<input type="radio"/> Personal Fitness & Safety	H1104	0.5		<input type="radio"/> AP World History: Modern	H0308	1.0	
				<input type="radio"/> Coaching & Officiating	H1105	0.5					
				<input type="radio"/> Mental & Emotional Wellness	H1106	0.5					
<b>GRAD REQUIREMENT</b>		<b>4.0</b>		<b>GRAD REQUIREMENT</b>		<b>1.0</b>		<b>GRAD REQUIREMENT</b>		<b>4.0</b>	
<b>TOTAL CREDITS</b>				<b>TOTAL CREDITS</b>				<b>TOTAL CREDITS</b>			
MATHEMATICS				SCIENCE				REQUIRED			
<input type="radio"/> Algebra II	H0103	1.0		<input type="radio"/> Anatomy & Physiology	H0207	1.16		<input type="radio"/> Career & Financial Planning	H0702	0.5	
<input type="radio"/> Geometry	H0106	1.0		<input type="radio"/> AP Environmental Science	H0208	1.0					
<input type="radio"/> Honors Geometry	H0108	1.0		<input type="radio"/> Science in the Community	H0211	1.0					
<input type="radio"/> Trigonometry/ Pre-Calculus	H0110	1.0		<input type="radio"/> Chemistry I	H0209	1.16					
<input type="radio"/> Intro to Statistics & Probability	H0111	1.0		<input type="radio"/> Applied Physics	H0212	1.0					
<input type="radio"/> AP Statistics	H0112	1.0		<input type="radio"/> Physics	H0213	1.16					
<input type="radio"/> AP Pre-Calculus	H0119	1.0		<input type="radio"/> Environmental Science	H0214	1.0					
<input type="radio"/> AP Calculus AB	H0113	1.16									
<input type="radio"/> AP Calculus BC	H0114	1.16									
<b>GRAD REQUIREMENT</b>		<b>4.0</b>		<b>GRAD REQUIREMENT</b>		<b>4.0</b>		<b>GRAD REQUIREMENT</b>		<b>0.5</b>	
<b>TOTAL CREDITS</b>				<b>TOTAL CREDITS</b>				<b>TOTAL CREDITS</b>			

PARENT SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_

# COURSE SELECTION FORM—11TH GRADE

## ELECTIVE SELECTIONS (Part 1)

<input checked="" type="radio"/>					<input type="radio"/>	3-D Design**	H0507	0.5		<input type="radio"/>	Athletic Training II**	H1108	0.5	
<input type="radio"/>	Creative Writing	H0014	0.5		<input type="radio"/>	Graphic Design I**	H0511	0.5		<input type="radio"/>	Defensive Driving	H0801	0.5	
<input type="radio"/>	Advanced Creative Writing**	H0015	0.5		<input type="radio"/>	Graphic Design II**	H0512	0.5		<input type="radio"/>	PE Lab: Lifetime Activities	H1109	0.5	
<input type="radio"/>	Intro to Acting & Theatre	H0016	1.0		<input type="radio"/>	Graphic Design III**	H0513	0.5		<input type="radio"/>	PE Lab: Team Games	H1110	0.5	
<input type="radio"/>	Theatrical Design	H0017	1.0		<input type="radio"/>	Drawing & Painting I**	H0502	1.0		<input type="radio"/>	Digital Photography I**	H0508	0.5	
<input type="radio"/>	Advanced Theatrical Design	H0024	1.0		<input type="radio"/>	Drawing & Painting II**	H0503	1.0		<input type="radio"/>	Digital Photography II**	H0509	0.5	
<input type="radio"/>	Yearbook	H0018	1.0		<input type="radio"/>	AP Placement Drawing**	H0504	1.0		<input type="radio"/>	Digital Photography III**	H0510	0.5	
<input type="radio"/>	Telecommunications I	H0019	1.0		<input type="radio"/>	Concert Band	H1301/ 2	0.5		<input type="radio"/>	Psychology	H0311	0.5	
<input type="radio"/>	Telecommunication II**	H0020	1.0		<input type="radio"/>	Jazz Ensemble	H1303/ 4	0.5		<input type="radio"/>	Sociology	H0312	0.5	
<input type="radio"/>	Telecommunications III**	H0021	1.0		<input type="radio"/>	Instrumental Music Lab	H1313	0.5		<input type="radio"/>	Contemporary American Media	H0313	0.5	
<input type="radio"/>	German I	H0405	1.0		<input type="radio"/>	Chamber Singers	H1307/ 8	0.5		<input type="radio"/>	History of Women	H0314	0.5	
<input type="radio"/>	German II**	H0406	1.0		<input type="radio"/>	Concert Choir	H1305/ 6	0.5		<input type="radio"/>	Wood I	H1201	0.5	
<input type="radio"/>	German III**	H0407	1.0		<input type="radio"/>	Vocal Music Lab	H1314	0.5		<input type="radio"/>	Wood II**	H1202	1.0	
<input type="radio"/>	Spanish I	H0401	1.0		<input type="radio"/>	Music Appreciation	H1309	0.5		<input type="radio"/>	Wood III**	H1203	1.0	
<input type="radio"/>	Spanish II**	H0402	1.0		<input type="radio"/>	Music Theory	H1310	1.0		<input type="radio"/>	Exploring Engineering	H1401	0.5	
<input type="radio"/>	Spanish III**	H0403	1.0		<input type="radio"/>	Guitar	H1311	0.5		<input type="radio"/>	Intro to Engineering	H1402	1.0	
<input type="radio"/>	Foundations of Art	H0501	0.5		<input type="radio"/>	Guitar II	H1315	0.5		<input type="radio"/>	Principles of Engineering**	H1403	1.0	
<input type="radio"/>	Sculpture**	H0505	0.5		<input type="radio"/>	AP Music Theory	H1312	1.0		<input type="radio"/>	Digital Electronics**	H1404	1.0	
<input type="radio"/>	Sculpture II**	H0506	0.5		<input type="radio"/>	Athletic Training I	H1107	0.5		<input type="radio"/>	Technology for Today & Tomorrow	H0601	0.5	

\*\*PREREQUISITE IS REQUIRED

GRAD REQUIREMENT 7.0

TOTAL CREDITS (PART 1)

# COURSE SELECTION FORM—11TH GRADE

## ELECTIVE SELECTIONS (Part 2)

<input checked="" type="radio"/>	COURSE	COURSE #	COURSE CREDIT	RCVD	<input type="radio"/>	COURSE	COURSE #	COURSE CREDIT	RCVD	
<input checked="" type="radio"/>					<input type="radio"/>	Business & Consumer Law	H0607	0.5		
<input type="radio"/>	Computer Applications I	H0602	0.5		<input type="radio"/>	Entrepreneurship	H0618	0.5		
<input type="radio"/>	Computer Applications II**	H0619	0.5		<input type="radio"/>	Word Processing I	H0615	0.5		
<input type="radio"/>	Intro to Computer Science	H0610	1.0		<input type="radio"/>	Microsoft Office User Specialist	H0616	1.0		
<input type="radio"/>	AP Computer Science Principles **	H0611	1.0		<input type="radio"/>	Business Economics I	H0608	0.5		
<input type="radio"/>	AP Computer Science A**	H0612	1.0		<input type="radio"/>	Business Economics II	H0609	0.5		
<input type="radio"/>	Program Tech & Capstone Exp**	H0613	1.0		<input type="radio"/>	The Art of Design & Presentation	H0614	0.5		
<input type="radio"/>	Accounting	H0604	1.0		<input type="radio"/>	Career & Financial Planning II**	H0703	0.5		
<input type="radio"/>	Accounting II**	H0605	1.0		<input type="radio"/>	Marketing	H0617	0.5		
					<input type="radio"/>	Internship Program	H0704 1	1-3		
					<input type="radio"/>	Intro to Agriculture, Food, & Natural Resources	H0215	1.0		
					<input type="radio"/>	The Natural World: Wildlife & Natural Resource Management	H0216	1.0		
					<input type="radio"/>	Farm-to-Table: Understanding Food Science & Safety	H0217	1.0		
					<input type="radio"/>	Horticulture: Plant Science	H0218	1.0		
GIFTED										
					<input checked="" type="radio"/>	Course	Course #	Course Credit	Rcvd	
					<input type="radio"/>	AP Art History	H1005	1.0		
**PREREQUISITE IS REQUIRED										
<b>GRAD REQUIREMENT</b>								7.0		
TOTAL CREDITS (PART 1)										
TOTAL CREDITS (PART 2)										
COMBINED TOTAL										



# COURSE SELECTION FORM—12TH GRADE

STUDENT NAME: \_\_\_\_\_

STUDENT ID #: \_\_\_\_\_

## CORE SELECTIONS

ENGLISH				WELLNESS/FITNESS				SOCIAL STUDIES						
<input type="radio"/>	COURSE	COURSE #	COURSE CREDIT	RCVD	<input type="radio"/>	COURSE	COURSE #	COURSE CREDIT	RCVD	<input type="radio"/>	COURSE	COURSE #	COURSE CREDIT	RCVD
<input type="radio"/>	English 12	H0011	1.0		<input type="radio"/>	Wellness & Fitness Concepts	H1103	0.5		<input type="radio"/>	U.S. Government/ Economics	H0309	0.5	
<input type="radio"/>	AP English Literature	H0012	1.0		<input type="radio"/>	Personal Fitness & Safety	H1104	0.5		<input type="radio"/>	AP U.S. Gov. & Politics	H0310	1.0	
					<input type="radio"/>	Coaching & Officiating	H1105	0.5						
					<input type="radio"/>	Mental & Emotional Wellness	H1106	0.5						
<b>REQUIRED</b>			<b>4.0</b>		<b>REQUIRED</b>			<b>1.0</b>		<b>REQUIRED</b>			<b>4.0</b>	
<b>TOTAL CREDITS</b>					<b>TOTAL CREDITS</b>					<b>TOTAL CREDITS</b>				
MATHEMATICS				SCIENCE										
<input type="radio"/>	Geometry	H0106	1.0		<input type="radio"/>	Anatomy & Physiology	H0207	1.16						
<input type="radio"/>	Honors Geometry	H0108	1.0		<input type="radio"/>	AP Environmental Science	H0208	1.0						
<input type="radio"/>	Trigonometry/ Pre-Calculus	H0110	1.0		<input type="radio"/>	Science in the Community	H0211	1.0						
<input type="radio"/>	Intro to Statistics & Probability	H0111	1.0		<input type="radio"/>	Chemistry I	H0209	1.16						
<input type="radio"/>	AP Statistics	H0112	1.0		<input type="radio"/>	Chemistry II	H0210	1.16						
<input type="radio"/>	AP Pre-Calculus	H0119	1.0		<input type="radio"/>	Applied Physics	H0212	1.0						
<input type="radio"/>	AP Calculus AB	H0113	1.16		<input type="radio"/>	Physics	H0213	1.16						
<input type="radio"/>	AP Calculus BC	H0114	1.16											
<b>REQUIRED</b>			<b>4.0</b>		<b>REQUIRED</b>			<b>4.0</b>						
<b>TOTAL CREDITS</b>					<b>TOTAL CREDITS</b>									

PARENT SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

# COURSE SELECTION FORM—12TH GRADE

## ELECTIVE SELECTIONS (Part 1)

●	Course	Course #	Course Credit	Rcvd	○	Course	Course #	Credit	Rcvd	○	Course	Course #	Credit	Rcvd
					○	Sculpture**	H0505	0.5		○	Athletic Training I	H1107	0.5	
○	Creative Writing	H0014	0.5		○	Sculpture II**	H0506	0.5		○	Athletic Training II**	H1108	0.5	
○	Advanced Creative Writing**	H0015	0.5		○	3-D Design**	H0507	0.5		○	Defensive Driving	H0801	0.5	
○	Intro to Acting & Theatre	H0016	1.0		○	Graphic Design I**	H0511	0.5		○	Digital Photography I**	H0508	0.5	
○	Theatrical Design	H0017	1.0		○	Graphic Design II**	H0512	0.5		○	Digital Photography II**	H0509	0.5	
○	Advanced Theatrical Design	H0024	1.0		○	Graphic Design III**	H0513	0.5		○	Digital Photography III**	H0510	0.5	
○	Yearbook	H0018	1.0		○	Drawing & Painting I**	H0502	1.0		○	Psychology	H0311	0.5	
○	Telecommunications I	H0019	1.0		○	Drawing & Painting II**	H0503	1.0		○	Sociology	H0312	0.5	
○	Telecommunication II**	H0020	1.0		○	AP Placement Drawing	H0504	1.0		○	Contemporary American Media	H0313	0.5	
○	Telecommunications III**	H0021	1.0		○	Concert Band	H1301/2	0.5		○	History of Women	H0314	0.5	
○	Telecommunications IV**	H0022	1.0		○	Jazz Ensemble	H1303/4	0.5		○	Wood I	H1201	0.5	
○	German I	H0405	1.0		○	Instrumental Music Lab	H1313	0.5		○	Wood II**	H1202	1.0	
○	German II**	H0406	1.0		○	Chamber Singers	H1307/8	0.5		○	Wood III**	H1203	1.0	
○	German III**	H0407	1.0		○	Concert Choir	H1305/6	0.5		○	Exploring Engineering	H1401	0.5	
○	German IV**	H0408	1.0		○	Vocal Music Lab	H1314	0.5		○	Intro to Engineering	H1402	1.0	
○	Spanish I	H0401	1.0		○	Music Appreciation	H1309	0.5		○	Principles of Engineering**	H1403	1.0	
○	Spanish II**	H0402	1.0		○	Music Theory	H1310	1.0		○	Digital Electronics**	H1404	1.0	
○	Spanish III**	H0403	1.0		○	Guitar	H1311	0.5		○	Civil Engineering & Architecture**	H1405	1.0	
○	Spanish IV**	H0404	1.0		○	Guitar II	H1315	0.5		○	Technology for Today & Tomorrow	H0601	0.5	
○	Foundations of Art	H0501	0.5		○	AP Music Theory	H1312	1.0		○	Computer Applications I	H0602	0.5	

\*\*PREREQUISITE IS REQUIRED

GRAD REQUIREMENT

7.0

TOTAL CREDITS

# COURSE SELECTION FORM—12TH GRADE

## ELECTIVE SELECTIONS (Part 2)

<input checked="" type="radio"/>	COURSE	COURSE #	COURSE CREDIT	RCVD	<input type="radio"/>	Accounting III**	H0606	1.0	<input type="radio"/>	Intro to Agriculture, Food, & Natural Resources	H0215	1.0	
<input type="radio"/>	Computer Applications II**	H0619	0.5		<input type="radio"/>	Word Processing I	H0615	0.5	<input type="radio"/>	The Natural World: Wildlife & Natural Resource Management	H0216	1.0	
<input type="radio"/>	Intro to Computer Science	H0610	1.0		<input type="radio"/>	Microsoft Office User Specialist	H0616	1.0	<input type="radio"/>	Farm-to-Table: Understanding Food Science & Safety	H0217	1.0	
<input type="radio"/>	AP Computer Science Principles **	H0611	1.0		<input type="radio"/>	Business Economics I	H0608	0.5	<input type="radio"/>	Horticulture: Plant Science	H0218	1.0	
<input type="radio"/>	AP Computer Science A**	H0612	1.0		<input type="radio"/>	Business Economics II	H0609	0.5	<b>GIFTED</b>				
<input type="radio"/>	Program Tech & Capstone Exp**	H0613	1.0		<input type="radio"/>	Career & Financial Planning II**	H0703	0.5	<input checked="" type="radio"/>	<b>Course</b>	<b>Course #</b>	<b>Course Credit</b>	<b>Rcvd</b>
<input type="radio"/>	Accounting I	H0604	1.0		<input type="radio"/>	Marketing	H0617	0.5	<input type="radio"/>	Advanced Seminar in Philosophy	H1003	1.0	
<input type="radio"/>	Accounting II**	H0605	1.0		<input type="radio"/>	Internship Program	H07041	1-3	<input type="radio"/>				
<b>**PREREQUISITE IS REQUIRED</b>													
<b>GRAD REQUIREMENT</b>												<b>7.0</b>	
<b>TOTAL CREDITS (PART 1)</b>													
<b>TOTAL CREDITS (PART 2)</b>													
<b>COMBINED TOTAL</b>													