

# WINDHAM HIGH SCHOOL



## PROGRAM OF STUDIES

**2023-2024**

Windham High School – 355 High Street – Willimantic, CT 06226

## ACCREDITATION STATEMENT

Since 1948, Windham High School has been accredited by The New England Association of Schools and Colleges, a non-governmental, nationally recognized organization whose affiliate institutions include elementary schools through collegiate institutions offering post-graduate instruction.

Accreditation by the New England Association of Schools and Colleges indicates that an institution meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer group review process. As an accredited school, Windham High School is recognized as having the necessary resources to achieve the stated missions through appropriate education programs.

Accreditation by the New England Association of Schools and Colleges applies to the institution as a whole. As such, it is not a guarantee of the quality of course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

# WINDHAM PUBLIC SCHOOLS LEADERSHIP

## **Superintendent of Schools**

Dr. Tracy Youngberg

## **Assistant Superintendent**

Mr. Neil Weathers

## **Board of Education**

Ms. Lynn Ide, Chair of the Board

Dr. Mary Gallucci, Vice Chair of the Board

Ms. Ilda Ray, Secretary

Ms. Paula Haney

Mr. Brendan O'Neil

Mr. Mark Doyle

Ms. Alicia Rivera

Mr. Cody Barr

Dr. Catina Caban-Owen

# WINDHAM HIGH SCHOOL LEADERSHIP

## **Principal**

Mrs. Pamela Cavanagh

## **Assistant Principals**

Mrs. Fatima Piresson

Mr. Patrick Risley

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## **IMPORTANT CONTACT INFORMATION**

Main Office: 860-465-2460

Attendance: 860-465-2468

Athletic Director – Zachary Konopka: 860-465-2485

### **School Counseling Department:**

Office: 860-465-2470- Mrs. Gisel Murphy (Admin Assistant)

Counselors: (*Student assigned by their last name & grade*)

Mr. David Garvey: 860-465-2473

Ms. Grys Almanzar: 860-465-2470

Ms. Janaelle Robles: 860-465-2470

Ms. Klara Toth: 860-465-2478

### **Support Services Staff:**

Social Worker: Ms. Vicki Lanzo: 860-465-2501

Social Worker: Mr. Neal O’Keefe: 860-465-2477

Social Worker: Mrs. Silvia Ferreira Emond: 860-465-2388

WHS: School Nurse: 860-465-1613

Family Liaison: Eva Ramos-Erazo 860-465-2472

School Based Health Center and Wellness Center: 860-465-2465

Licensed Marriage and Family Therapist: Dr. Carrie Franzen: 860-465-2510

### **Connecting with Staff:**

All teachers and staff can be reached via email.

All contact information can be found on the Windham Public Schools website.

**[www.windhamps.org](http://www.windhamps.org)**

## **DISTRICT MISSION STATEMENT**

Windham Public Schools provides all students equitable access to a high-quality education and graduates students who are prepared to become productive members of society. The school district and community hold a commitment to support cultural and linguistic diversity, deep student engagement, in preparation for our students to be successful in college, career, and life.

## **DISTRICT VISION**

All Windham Students will be deeply engaged in their own learning, challenged by high expectations, supported by staff, family, and community, and will graduate with the competence and confidence needed for success.

## **DISTRICT THEORY OF ACTION**

If we ensure high-quality, culturally relevant instruction in every classroom, strong hiring practices, high levels of support for teachers, strong accountability practices based on data, courageous leadership, and effective engagement with families and the community, then student achievement will improve, more students will perform at or above grade level, and achievement gaps will improve or disappear.

## **CORE BELIEFS:**

- All students can achieve at high levels
- It is the duty of our organization to provide ALL students with opportunities and access to resources to develop their full potential.
- Strong teaching and learning are a foundation for successful schools.
- The entire staff is valued as a key component to the success of our organization.
- Parents of our students are our partners in helping us develop lifelong learners who grow up to be productive citizens.
- A rich and diverse community enriches us and strengthens our students with 21<sup>st</sup> century skills.
- It is our responsibility to remove all barriers to success.

# PORTRAIT OF A GRADUATE



WINDHAM HIGH SCHOOL

## Portrait of the Graduate



## Success in College, Career & Life

*Through Applied Knowledge, Effective Relationships & Workplace Skills*



**Applied Academic Skills**  
Uses knowledge and skills to deepen understanding and draw conclusions



**Integrity, Motivation & Adaptability**  
Is willing to learn, is adaptive, and demonstrates self-discipline and integrity



**Critical Thinking & Problem Solving Skills**  
Thinks critically and creatively to solve problems and make sound decisions



**Technology & Information**  
Uses appropriate technologies to gather, analyze, evaluate, and productively apply information



**Social & Cultural Awareness**  
Demonstrates an understanding of other people's cultural values, beliefs and perceptions which might differ from theirs



**Communication Skills**  
Listens and articulates thoughts and ideas effectively

## **SCHOOL COUNSELING DEPARTMENT**

The goal of the Windham High School – School Counseling Department (SCD) is to facilitate learning, so that every student can extract the greatest gains from the Windham High School program of studies and to transfer those gains to their post-secondary endeavors. The specific services offered by the SCD include course programming, individual counseling, college and vocational counseling, and the identification and resolution of personal problems – which are all part of an integrated comprehensive school counseling program that is proactive in nature. With our society undergoing a drastic transformation that has been both stimulated and magnified by the ever-increasing pace of technological advances, we are faced with issues whose solutions will require flexible and adaptive problem-solving skills. We aim not only to help our students develop the capacity to adapt to change, but to be prepared to plan, order and direct that change.

The comprehensive school counseling program includes sequential activities, which are developmentally appropriate for each grade level. These activities are organized and implemented by certified school counselors in collaboration with teachers, administrators, students, parents and other community members, and are directed at facilitating students' academic, career and personal/social development. The program, designed to systematically assist all students in our school, focuses upon helping students acquire the knowledge and competencies needed to develop problem solving skills, interpersonal effectiveness, decision making, and goal setting and planning skills. We seek to have our students, with the right skills and the appropriate motivation, ready to make the successful transitions essential to the competitive workplace of the 21st century.

The department strongly encourages parents to be as active in their child's education as possible. Review their homework and ask questions about how school is going. Progress reports are issued periodically and are mailed home. Report cards are mailed home to parents/guardians at the end of each marking period. Parents and students should use these documents as a springboard for discussions about future goals and aspirations.

If a parent or guardian has any questions about a class, the best source to call for answers is the teacher of the specific class. You can contact a teacher by telephone 860-465-2460 or by email. Email addresses are posted on the WHS web site. Please feel free to call the SCD at 860-465-2470 if you need assistance in communicating with a teacher. When issues arise that you feel may influence your student's performance at school, please let us know. We will be discreet and confidential with our dealings with all your child's teachers, especially as they pertain to sensitive issues. If you think we can be of help, please do not hesitate to call. If we are not able to provide direct assistance, we may be able to direct you to those who can.



## GRADUATION REQUIREMENTS

### Classes of 2023 and beyond:

State of Connecticut- requirement for graduation: students must earn a minimum of 25 credits, including no fewer than:

- 9 credits in the humanities (English, social studies, and fine arts), including civics and the arts
- 9 credits in science, technology, engineering, and mathematics
- 1 credit of physical education and wellness
- 1 credit in health and safety education
- 1 credit in world languages
- 1 credit – Mastery Based Diploma Assessment (MBDA)

### PREPARING FOR COLLEGE

The following chart demonstrates the **recommended requirements** for a College Preparatory Program: students planning to attend a four-year college or university should take the most rigorous course load they can manage.

Subject Area(s):	Credits:
<i>HUMANITIES</i>	9.00
• Performing & Visual Arts (Art, Music)	1.00
• English	4.00
• Social Studies	3.00 (including US History & Civics)
• Electives	1.00
<i>STEM – Science, Technology, Engineering &amp; Mathematics</i>	9.00
• Mathematics	3.00 (including Algebra I, Algebra II, & Geometry)
• Science	3.00 (including 2 laboratory sciences)
• Electives	3.00
<i>WELLNESS</i>	2.00
• Physical Education	1.00
• Health & Safety	1.00
<i>WORLD LANGUAGE</i>	1.00
• 2-4 consecutive years of a world language	2-4.00
<i>ELECTIVES</i>	3.00
<i>MASTERY BASED DIPLOMA ASSESSMENT</i>	1.00

## **PLANNING YOUR PROGRAM**

Each year, students plan their program of study with their counselors, teachers and parents. The counselor provides information about courses, requirements for graduation, career opportunities, and interprets standardized test scores for the students so that they may come to know their aptitudes and interests, as well as opportunities available to them. These facets, along with parental guidance and teacher recommendations, help students to make carefully considered choices. Course levels are recommended by the student's current teachers. Parents can use these recommendations to help their student plan the best course of study that allows them to attain their goals. Parents always have the option to request a different course level for their student. A discussion with the school counselor is the best place to begin this process. Students must enroll in the equivalent of 3.5 credits each semester.

### **COURSE LEVELS**

**College Prep (CP)** — Recommended for students planning to pursue post-secondary education. These courses will prepare students for admission to and success in post-secondary education.

**Honors (H)** — Recommended for highly motivated students planning to pursue post-secondary education who demonstrate superior academic performance. These courses typically require increased independent educational/study requirements compared to College Prep level, and are recognized as being worthy of special consideration in determining value of grades and/or preparation for college-level work. That is to say an "A" in an honors level course carries more weight than an "A" in a College Prep level course. This extra weight is applied when computing a student's grade point average. Colleges also look more favorably at students who have taken a more rigorous course load.

**AP/ECE/QVCC** — Recommended for students planning to pursue post-secondary education, who are highly motivated, capable of superior work in a subject area, and who want to attain high school and college credit through the Advanced Placement exam process, QVCC courses, or the UConn Early College Experience program. These courses require increased independent educational/study requirements compared to Honors level and are recognized as being worthy of special consideration in determining value of grades and/or preparation for college-level work. That is to say an "A" in an AP level course carries more weight than an "A" in a College Prep level course. This extra weight is applied when computing a student's grade point average. Colleges also look more favorably at students who have taken a more rigorous course load.

## GRADE WEIGHTING

All subjects are classified on the basis of degrees of difficulty. Students earn quality points based on difficulty and performance levels. Pass/fail courses have no quality points. The system is a 4.0 system.

Num. Grade	Alpha Grade	“AP” (2.00)	Level 4 (1.75)	Level 3 (1.50)	Level 2 (1.25)	Level 1 (1)
97 – 100	A+	8.00	7.00	6.00	5.00	4.00
93 – 96	A	7.34	6.42	5.51	4.59	3.67
90 – 92	A-	6.66	5.83	5.00	4.16	3.33
87 – 89	B+	6.00	5.25	4.50	3.75	3.00
83 – 86	B	5.34	4.67	4.01	3.34	2.67
80 – 82	B-	4.66	4.08	3.50	2.91	2.33
77 – 79	C+	4.00	3.50	3.00	2.50	2.00
73 – 76	C	3.34	2.92	2.51	2.09	1.67
70 – 72	C-	2.66	2.33	2.00	1.66	1.33
67 – 69	D+	2.00	1.75	1.50	1.25	1.00
63 – 66	D	1.34	1.17	2.02	.84	.67
60 – 62	D-	.66	.58	.50	.41	.33
00 - 59	F	.00	.00	.00	.00	.00

### **Class Rank**

1. All graded courses that are awarded credit will be included in calculation of rank in class.
2. Pass/Fail courses will not be included in rank calculations.
3. High school level classes taken at middle schools/junior high schools will not be included in rank calculations.
4. Grade point averages will be calculated for all students on an 8.0 system using quality points. (See previous section.)
5. Rank in class will be computed at the end of each semester and is cumulative.
6. Grades will be weighted for the purpose of rank in class based on the Quality Point Table.
7. The sixth semester rank will be used for college applications and is the official rank recorded on each student’s transcript. The cumulative rank at the end of the seventh semester will be used for WHS scholarship considerations.
8. Courses which are taken out of district for enrichment and/or personal growth will not be considered for class rank calculations. Summer school classes taken at WHS or other high schools will not be counted in class rank calculations.

Legal Reference: Connecticut General Statutes- P.A. 99-81 An Act Concerning Weighted Grading for Honors Classes

**Policy adopted: December 5, 2007**

## COLLEGE AND CAREER PATHWAYS

<b>CAREER PATHWAY</b>	<b>ELECTIVE COURSES</b>
Business, Engineering & Technology	<ul style="list-style-type: none"> <li>• Career Exploration</li> <li>• Workplace Learning</li> <li>• Cooperative Work Education</li> <li>• Cooperative Work Education – Internship</li> <li>• QVCC Manufacturing Math</li> <li>• QVCC Blueprint Reading</li> <li>• Intro. to CAD</li> <li>• QVCC Manufacturing Machinery</li> <li>• QVCC Parametric Design</li> <li>• Intro to Software Applications</li> <li>• Intro to Computer Science</li> <li>• Financial Literacy</li> <li>• UCONN Principles of Microeconomics</li> <li>• UCONN Principles of Macroeconomics</li> <li>• QVCC Intro to Business</li> <li>• QVCC Personal Finance</li> <li>• Management &amp; Leadership</li> <li>• Marketing</li> </ul>
Health Sciences	<ul style="list-style-type: none"> <li>• Health Part 2-CPR and First Aid Certification</li> <li>• Anatomy &amp; Physiology</li> <li>• UCONN ECE Biology</li> <li>• UCONN ECE Biotechnology</li> <li>• UCONN ECE Medical Terminology</li> <li>• EMR</li> <li>• EMT</li> </ul>
Human Services, Law, and Public Safety	<ul style="list-style-type: none"> <li>• Law and Criminal Justice</li> <li>• Psychology</li> <li>• Sociology</li> <li>• AP Psychology</li> <li>• AP American Government</li> <li>• UCONN ECE Independent and Family Development</li> <li>• Modern Day Ethics and Public Health</li> <li>• Forensics (2 choices)</li> <li>• EMR</li> <li>• EMT</li> <li>• UCONN ECE Introduction into Special Ed</li> </ul>

## **HOW TO EARN COLLEGE CREDIT AT WHS:**

### **UConn's EARLY COLLEGE EXPERIENCE (ECE)**

UConn ECE instructors are high school teachers certified as adjunct professors by UConn faculty. They create a classroom environment fostering independent learning, creativity and critical thinking – all pivotal for success in college. Windham High School offers UConn ECE courses in: English Literature & Composition, Individual & Family Development, Biology, Environmental Science, US History, Western Traditions before 1500, Modern Western Traditions, Medical Terminology, Physics, Calculus, Intro. into SPED, and Biotechnology. To support rigorous learning, University of Connecticut library resources are available to all UConn ECE students.

UConn ECE students must successfully complete the course with a grade of C or above in order to receive University credit. University credits are highly transferable to other colleges and universities. For additional program information visit: [www.ece.uconn.edu](http://www.ece.uconn.edu).

### **Quinebaug Valley Community College (QVCC)**

QVCC instructors are high school teachers certified as adjunct professors by UConn faculty. Windham High School offers QVCC courses in QVCC Manufacturing Math, QVCC Blueprint Reading, QVCC Intro to Business, QVCC Personal Finance, QVCC Manufacturing Machinery, and QVCC Parametric Design. Students who successfully finish the course will receive QVCC credit.

### **ADVANCED PLACEMENT COURSEWORK AND EXAMS**

Advanced Placement (AP) Examinations are college level courses taught in a high school. We offer several Advanced Placement Courses including: AP English Language and Composition, , AP Psychology, AP Statistics, AP US Government & Politics, and AP Spanish. AP Examinations are required to be taken in May. These examinations are taken to earn college credit. Colleges require certain scores on the exams to award credit. Colleges may award either actual credits or advanced standing for accepted courses. For more information, visit [www.collegeboard.org](http://www.collegeboard.org).

### **Eastern Connecticut State University WHIP (Windham High Incentive Program) PROGRAM**

ECSU's WHIP program is offered to juniors and seniors who are in the top 30% of their respective classes. Students complete registration forms and then meet with ECSU's Advising Department prior to being placed in a class. More information is available from the student's School Counselor. For more information, visit: <https://www.easternct.edu/academic-services/what-we-offer/windham-high-incentive-program-whip.html>

## **PREPARATION FOR COLLEGE ADMISSION**

While at WHS, students will take the Preliminary Scholastic Assessment Test (PSAT) each year in grades 9 & 10. In grade 11, students will take the PSAT/NMSQT in the Fall and the Scholastic Assessment Test (SAT) in the Spring. Completing these exams allow students to qualify for National Merit Scholarships.

ACT (American College Testing) is an alternative to the SAT's. Students should see their counselor for information about signing up for the ACT or additional SAT administration dates.

Students should begin requesting letters of recommendation from teachers, counselors, and administration in the Spring of their junior year. Students should start the college application process at the start of their senior year, with the goal of completing their applications in October - December of their senior year. Counselors can assist in providing any necessary information such as class rank, transcripts, letters of recommendation, etc.

## **COMMUNITY COLLEGES**

Community Colleges offer one-year and two-year programs in a variety of areas. These programs include one year and two-year career specific programs as well as a transfer program for those students who would like to transfer to a four-year college. Manchester Community College, Quinebaug Valley Community College, and Three Rivers Community College are the closest to Windham High School.

## **CAREER PREPARATION**

Students entering the workforce after graduation should be exploring career options, vocational skills, resume writing and interview skills. Our Cooperative Work Experience course is a great place for students to acquire the skills they will need to be successful in the workforce

## **COURSE SELECTION**

Selection of courses for the following year must be done carefully. Future plans, past performance and teacher recommendations will be taken into consideration as well as personal interest during this process.

- Students entering grade 9 have limited choices in selecting their courses, as they first need to satisfy course pre-requisites. As students' progress to the next grades, their choices increase. Middle School teachers, in consultation with eighth grade counselors and a review of records, will determine the levels of the courses selected.
- Students in grades 10-12 select their courses after consultation with their parents, teachers and their counselor. The students' current teachers recommend appropriate levels.
- Some requested courses may not appear on a student's schedule if the course does not run due to low enrollment, is full, or conflicts with another selected course.

## **TYPICAL COURSE SEQUENCE**

<p>Grade 9:</p> <ol style="list-style-type: none"> <li>1. English I</li> <li>2. Algebra I</li> <li>3. Global Studies</li> <li>4. Biology</li> <li>5. Spanish I</li> <li>6. Career Exploration / Gym A</li> <li>7. Elective / Elective</li> </ol>	<p>Grade 10:</p> <ol style="list-style-type: none"> <li>1. English II</li> <li>2. Geometry</li> <li>3. US History</li> <li>4. Chemistry</li> <li>5. Spanish II</li> <li>6. Health A / Gym B</li> <li>7. Elective / Elective</li> </ol>
<p>Grade 11:</p> <ol style="list-style-type: none"> <li>1. English III</li> <li>2. Algebra II</li> <li>3. Civics / Electives</li> <li>4. Physics or Science(s)</li> <li>5. Spanish III</li> <li>6. Health B / Elective</li> <li>7. African American/Black &amp; Puerto Rican/Latino Studies</li> </ol>	<p>Grade 12:</p> <ol style="list-style-type: none"> <li>1. English IV</li> <li>2. Statistics / Pre-Calculus</li> <li>3. Spanish IV</li> <li>4. Electives</li> <li>5. Electives</li> <li>6. Electives</li> <li>7. Electives</li> </ol> <p style="margin-left: 40px;">*MBDA</p>

<p>ECO:</p> <ul style="list-style-type: none"> <li>• Grade 10 – Manufacturing Math</li> <li>• Grade 11 – Blueprint Reading / Workplace Learning</li> <li>• Grade 12 – Intro. to CAD / Manufacturing Machinery</li> </ul>
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## **ADD-DROP POLICY**

Students may request changes to their schedules during the first five (5) days of each semester if the new course(s) fits into their schedule without affecting other classes, and if enrollment permits. Students will not be permitted to select courses without satisfying the prerequisite requirements unless approved by an administration. Requests to change a class or level after the deadline will be made with the approval of the student, the parent, the counselor, and administration.

Students must be scheduled for the equivalent of 7 credits per year, unless a special schedule has been approved by Administration in conjunction with the School Counseling Department. Students should maintain an average of at least 85% in a subject area before considering moving up a level in the same subject. Students withdrawing from a course after the deadline will receive a Withdrawal Pass (WP) or Withdraw Fail (WF) placed on their transcript.



# ENGLISH

The mission of the Windham High School English Language Department is to ensure that all students engage with culturally relevant reading and writing to prepare students as effective and productive communicators in our society.

<b>Windham High School English Offerings</b>				
<b>Type</b>	<b>GRADE 9</b>	<b>GRADE 10</b>	<b>GRADE 11</b>	<b>GRADE 12</b>
<b>Required Courses</b>	English I CP or English I Honors	English II CP or English II Honors	English III CP, English III Honors, AP English Language & Composition	English IV CP, English IV Honors, UCONN English Literature & Composition.
<b>Electives</b>		Graphic Novel	AP English Language & Composition Creative Writing Modern Fiction Writing for the Professional World	UCONN English Literature & Composition. Creative Writing Modern Fiction Writing for the Professional World

**English I**                      Academic Level: Honors or CP    CREDIT: 1.0/HUM      GRADE: 9

Through a variety of novels, short stories, poetry, and non-fiction texts students will have the opportunity to explore quality fiction and non-fiction. Within this context, students will further develop reading comprehension, group discussion skills and writing techniques.

**English II**                      Academic Level: Honors or CP    CREDIT: 1.0/HUM      GRADE: 10

Through a variety of novels, short stories, poetry, and non-fiction texts students will have the opportunity to explore key works of literature from American and World literature. Within this context, students will continue to develop reading comprehension, group discussion skills and writing techniques.

**English III**                      Academic Level: Honors or CP    CREDIT: 1.0/HUM      GRADE: 11

People of many ethnicities have played essential, and often underappreciated, roles in shaping the identity of the United States. Through a variety of novels, short stories, poetry, and non-fiction text students will have the opportunity to explore the formation of American identity. Students will continue to develop their discussion skills and writing techniques.

**English IV**                      Academic Level: Honors or CP    CREDIT: 1.0/HUM      GRADE: 12

Students will read a variety of works from colonizing and formerly colonized societies, through these texts students will analyze the effects of clashing cultures to explore the ways in which group and individual identities

are shaped in colonial and post-colonial contexts. Students will continue to develop discussion skills and writing techniques.

**Graphic Novel** Academic Level: CP CREDIT: .50/HUM GRADE: 10,11,12

"Texts" come in many forms: books, news articles, songs, videos, art...and, of course, graphic novels. In this course, students will read graphic novels and will learn strategies for visual and textual analysis. Students will learn how to write about graphic novels and tell stories through sequential art.

**Writing for the Professional World** Academic Level: CP CREDIT: .50/HUM GRADE: 11, 12  
PREREQUISITE: English II

Writing is a necessary skill for any college or career path--and there are kinds of writing you need to know in order to access those paths! In this course, learn how to expertly and efficiently complete applications, assemble polished resumes, and create cover letters. Students will also explore other writing related to post-secondary tasks, such as professional emails and business communications.

**AP English Language & Composition** Academic Level: AP CREDIT: 1.0/HUM GRADE: 11  
PREREQUISITE: 2 credits in English or teacher permission

This is a college-level course offered to high school juniors. Students will learn to read challenging non-fiction texts closely and explore the various types of rhetorical techniques writers use to establish their authority on the important topics they write about. Students will learn to identify, analyze and respond critically to the authors that use them. Throughout the course, students will learn read college-level texts with understanding and insight. All enrolled students will be required to enroll in AP Classroom and take the AP English Language and Composition Exam in May.

**UCONN English Literature & Composition** Academic Level: ECE CREDIT: 1.0/HUM GRADE: 12  
PREREQUISITE: 2 credits in English or teacher permission

This is a college-level course offered to high school seniors. Students will learn to read rich and challenging works of fiction and poetry closely and gain a new understanding of the techniques writers use to create meaning. Students will develop key writing skills so they can effectively communicate complex interpretations of literature to others. By the end of the course, students will read college-level texts with understanding and insight. All enrolled students will be required to enroll in AP Classroom and take the AP English Literature and Composition Exam in May

**Creative Writing** Academic Level: CP CREDIT: .50/HUM GRADE: 11, 12  
PREREQUISITE: 2 credits in English or teacher permission

How do authors create compelling characters, suspenseful plots, and detailed settings? Through a variety of stories, poems and other works, students will learn to identify the techniques of the author's craft and practice using tools of this craft as they write their own works of literary art, with the possibility of individual pieces appearing in Mirrors and Windows, our literary journal.

**Modern Fiction** Academic Level: CP CREDIT: .50/HUM GRADE: 11, 12  
PREREQUISITE: 2 credits in English or teacher permission

In this one semester course, students will read novels and short fiction by a diverse group of contemporary writers. Students will respond to the literature through both discussion and writing and will conduct biographical and analytical research on the authors and their works.

**Journalism**

Academic Level: CP

CREDIT: .50/HUM GRADE: 11, 12

PREREQUISITE: 2 credits in English or teacher permission

The fundamentals of journalistic writing and journalistic ethics will be introduced, and students will write and edit a variety of expository and editorial texts that may be submitted to school publications.



This course is designed for students who have scored a level 3 overall on the Las Links test. The course provides English proficiency-level appropriate language development as well as scaffolding for grade level language arts course using the CELP standards to address the grade level content in English Language Arts. **ESOL department recommendation only based on review of academic history.**

**ESOL IV** Academic Level: CP Prep CREDIT: 1.0/HUM GRADE: 9,10,11,12

This course is designed for students just above the intermediate level of English proficiency and who have scored a level 4 on the LAS Links reading and writing tests. The course provides English proficiency-level appropriate language development as well as scaffolding for grade level language arts course using the CELP standards to address the grade level content in English Language Arts. **ESOL department recommendation only- based on review of academic history.**

**Fund. of Literacy** Academic Level: CP Prep CREDIT: 1.0/HUM GRADE: 9,10,11,12

This course consists of specially designed instruction to help Students with Limited or Interrupted Formal Education (SLIFE) develop the skills, concepts, and knowledge underpinning early literacy by building on the personal, social, emotional, creative, and physical development skills of the students. **ESOL department recommendation only- based on review of academic history.**

**Fund. of Numeracy** Academic Level: CP Prep CREDIT: 1.0/STEM GRADE: 9,10,11,12

This course consists of specially designed instruction to teach help Students with Limited or Interrupted Formal Education (SLIFE) to identify, to understand, and to engage in mathematics and to make well-founded judgments about the role that mathematics plays, as needed for the individual's current and future private, occupational and social life. **ESOL department recommendation only- based on review of academic history.**

**Fund. of Social Studies** Academic Level: CP Prep CREDIT: 1.0/HUM GRADE: 9,10,11,12

This course is designed to provide the appropriate cultural and historical background knowledge so that SLIFE students will be to be able to participate in US History and Civics classes. This sheltered course provides an overview of historical and cultural studies from the familiar to the relevant to the required. This course will provide students with the answers to questions such as: Who am I culturally? From where did I come and how does that influence how I fit into this new community? What do I need to know to participate in American culture and society? **ESOL department recommendation only- based on review of academic history.**

**Fund. of Science** Academic Level: CP Prep CREDIT: 1.0/STEM GRADE: 9,10,11,12

This course is designed to provide the appropriate relevant background knowledge so that SLIFE students will be to be able to participate in science classes. This sheltered course provides an overview of technological and scientific tools and theories, from the familiar to the relevant to the required. This course will provide students with the answers to questions such as: What are the characteristics of life? Why is the Earth is constantly changing? How does the human body work? **ESOL department recommendation only- based on review of academic history.**

**Writing for College & Career** Academic Level: CP Prep CREDIT: 1.0/HUM GRADE: 11,12

This course is designed to provide ESL students with the necessary tools to transition them into their chosen direction after high school. The skills taught in this course are imperative to ensuring that each and every student who graduates has a clear understanding of how to succeed and thrive in college, at work or both. Students will engage in writing research papers, college entrance essays, portfolio development, as well as improving their presentation and speaking skills. **ESOL department recommendation only- based on review of academic history.**



**Intermediate Algebra** Academic Level: CP CREDIT: 1.0/STEM GRADE: 10,11,12

Students will build upon the concepts of linear functions and their real-world applications by reviewing and extending various methods to solve systems of linear equations. Students will explore the concept of quadratic functions and their graphs and engage reasoning while attending to precision in their solutions.

**Algebra II** Academic Level: Honors, CP, Fundamental CREDIT: 1.0/STEM GRADE: 9,10,11  
PREREQUISITE: Algebra I & Geometry for CP, Algebra I Honors & Geometry Honors for Honors

**College Prep:** This course is designed to strengthen and extend the concepts in Algebra I and introduce the essential concepts of Algebra II. Topics include equations and inequalities in one variable, graphing linear, exponential and quadratic equations, problem solving, and operations with polynomials. Graphing is emphasized in relation to all parent functions. A graphing calculator is required. Graphing and solving equations are an integral part of the course.

**In Honors**, students will explore and study quadratic functions and higher order polynomials, radical functions, exponential and logarithmic functions, rational functions, trigonometry, and sequences and series.

**Dual Language:** A section of this course will be taught in both English and Spanish for New Arrivals and students who were in the Compañeros program.

**Advanced Algebra & Trigonometry** Academic Level: CP CREDIT: 1.0/STEM GRADE: 11,12  
PREREQUISITE: Geometry & Algebra II

This course is for students who plan to continue their studies in fields related to mathematics such as engineering, business, or science in college. Topics covered include equations and inequalities, functions, graphing, complex numbers, exponents and logarithms, sequences and series and conic sections, as well an in-depth study of the trigonometric functions.

**Pre-Calculus Honors** Academic Level: Honors CREDIT: 1.0/STEM GRADE: 11,12  
PREREQUISITE: Geometry & Algebra II Honors

Students will review the fundamental concepts of Algebra II as a launching pad for more advanced mathematical topics. Students will explore trigonometric functions and their identities as well as limits and their properties. This will include inverse functions and the laws of sines and cosines.

**UConn Calculus** Academic Level: ECE CREDIT: 1.0/STEM GRADE: 11,12  
PREREQUISITE: Pre-calculus

This course is equivalent to College Level Calculus I and II. Limits, continuity, differentiation of algebraic and transcendental functions, antidifferentiation, definite integrals, the Fundamental Theorem of Calculus, u-substitution, with applications to the physical and engineering sciences. During the second semester, students will learn techniques of integration, applications of integration, infinite sequences and series, power and Taylor series, polar coordinates and parametric equations, with applications to the physical sciences and engineering. Students are expected to enroll in the UCONN ECE course (separate fees may apply).

**Statistics** Academic Level: CP CREDIT: 1.0/STEM GRADE: 10,11,12  
PREREQUISITE: Algebra I

This course is designed to provide a solid foundation to the world of statistics. Topics covered include data analysis and exploration, sampling and randomness, probability, the normal model, hypothesis testing and confidence intervals, regression and chi-square testing. Real world applications are a theme throughout the course.

**AP Statistics**

Academic Level: AP

CREDIT: 1.0/STEM GRADE: 11,12

PREREQUISITE: Algebra II or teacher recommendation

This college-paced course is designed to prepare students for the AP exam in May. Topics covered in depth include data analysis and exploration, regression, sampling and randomness, probability, the normal model, hypothesis testing and confidence intervals, chi-square testing, and inference for regression. Real world applications are a theme throughout the course. Students enrolled in this course are expected to take the AP exam in May (separate fees apply).



## SOCIAL SCIENCE

The purpose of Social Science is to prepare students to meet the ongoing needs of their highly complex and rapidly changing society. The Social Science curriculum provides students with the necessary skills to become productive citizens and lifelong learners. This is accomplished by promoting and developing critical thinking, reading comprehension and effective oral and written communication. Inquiry will guide student instruction at all levels to help them discover meaningful connections in all content areas.

<b>Windham High School Social Science Offerings</b>				
<b>Type</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
<b>Required Courses</b>	Global Studies CP or Global Studies Honors	US History CP or ECE US History	Civics or AP American Govt	Civics or AP American Govt
<b>Electives</b>		Contemporary World Issues	AP Psychology AP US Government African American/Black and Puerto Rican/Latino Studies ECE Western Traditions Before 1500 ECE Modern Western Traditions Sociology Law & Criminal Justice Contemporary World Issues Modern Day Ethics and Public Health History Through Film	AP Psychology AP US Government African American/Black and Puerto Rican/Latino Studies ECE Western Traditions Before 1500 ECE Modern Western Traditions Sociology Law & Criminal Justice Contemporary World Issues Modern Day Ethics and Public Health History Through Film

**Global Studies**      Academic Level: Honors or CP

CREDIT: 1.0/HUM      GRADE: 9

Global Studies is a world geography course that integrates the five themes of geography with an examination of contemporary world issues. Students will use the five themes of geography to examine concepts from WHS's pathways to analyze various regions of the world and interpret current events. Landforms and climates, economic development, migration and settlement patterns, and forces of conflict and cooperation will be investigated. Students will employ skills of inquiry and research to analyze physical features, human interaction, and develop a global perspective of the world.

**Dual Language:** A section of this course will be taught in both English and Spanish for New Arrivals and students who were in the *Compañeros* program.

**U.S. History**

Academic Level: CP

CREDIT 1.0/HUM GRADE: 10, 11, 12

Students will examine the growth and development of the United States from the end of the Civil War through the 20<sup>th</sup> century. Students will complete a research project, analyze primary and secondary sources, and develop their historical writing skills.

**Dual Language:** A section of this course will be taught in both English and Spanish for New Arrivals and students who were in the *Compañeros* program.

**UCONN U.S. History**

Academic Level: ECE

CREDIT: 1.0/HUM

GRADE: 10, 11, 12

PREREQUISITE: 1.0 credits in Social Science and recommendation from teacher.

Students will analyze the development of the United States and the impact of significant historical through themes including American diversity and identity, politics and citizenship, and the legacy of slavery. This course will cover significant events from the Pre-Columbian era through the 21<sup>st</sup> century. Students will build skills in critical reading of informational texts, analysis of primary sources, and historical writing and research. Students are expected to enroll in the UCONN ECE course (separate fees may apply).

**Civics**

Academic Level: CP

CREDIT: .50/HUM

GRADE: 11

In this course students will examine the role of citizens in the United States, analyzing the rights, responsibilities, and duties of citizens while building skills in critical reading, writing, and thinking. Students will have the opportunity to exercise these skills in citizenship through debates, simulations, and community connections.

**Dual Language:** A section of this course will be taught in both English and Spanish for New Arrivals and students who were in the *Compañeros* program.

**AP US Government & Politics**

Academic Level: AP

CREDIT 1.0/HUM

GRADE: 11, 12

PREREQUISITE: 1 credits in Social Science and successful completion of US History

Students will examine the Constitution, political beliefs and behaviors, the role of political parties, interest groups, and the media, and civil rights in the United States. This course prepares students to take the U.S. Government and Politics AP exam in May (separate fees apply).

**Contemporary World Issues**

Academic Level: CP

CREDIT .50/HUM

GRADE: 10, 11, 12

Students will investigate and discuss a wide-range of critical events and world issues including topics such as poverty, conflict, environmental issues, technology, genocide, and globalization. Students will conduct research and communicate their results through various formats including projects, presentations, and historical writing.

**History Through Film**

Academic Level: CP

CREDIT .50/HUM

GRADE: 10, 11, 12

The History Through Film curriculum offers students a unique way to view history through the Hollywood lens. Through film analysis, students will gain a new insight into the historical events that have occurred. The course will focus on student writing and revision skills as they write reaction and analysis papers to films viewed in class. In addition to learning the historical accounts, students will explore character development, conflict, theme, symbolism, foreshadowing, and geographical/social/cultural settings.

**Psychology**

Academic Level: CP

CREDIT .50/HUM

GRADE: 10, 11, 12

Students will examine the functions of the brain and explore human behavior. Students will analyze the theories of psychology and learn about the contributions of influential psychologists. This course will build skills in critical reading, writing, and speaking. Students will conduct a research project and complete performance-based assessments.

**AP Psychology** Academic Level: AP CREDIT 1.0/HUM GRADE: 11,12  
PREREQUISITE: 2 credits in Social Science

Students will learn about the systematic and scientific study of behavior and the mental processes of humans. Students will utilize psychological facts, principles, and phenomena to build skills in critical reading, writing, and discussion. This course examines the ethics and methods psychologists use in their discipline. Students enrolled in this course are expected to take the AP exam in May (separate fees apply).

**Sociology** Academic Level: CP CREDIT: .50/HUM GRADE: 11, 12

In this course students will investigate the science of society, social institutions, and social relationships. Students will research, debate, and write about the interactions between society and individuals.

**UCONN Western Traditions Before 1500** Academic Level: ECE CREDIT: .50/HUM GRADE: 11, 12  
PREREQUISITE: 2 credits in Social Science

Students will analyze the characteristics of early civilizations through the lens of the Ancient world and then evaluate the role of monotheism in the development of the west. Students will study political, cultural and intellectual movements to draw conclusions about the traditions of the west leading up to the 16<sup>th</sup> century. This course builds skills in critical reading, discussion, and historical research. Students are expected to enroll in the UCONN ECE course (separate fees may apply).

**UCONN Modern Western Traditions** Academic Level: ECE CREDIT: .50/HUM GRADE: 11, 12  
PREREQUISITE: 2 credits in Social Science

Students will examine the development of modern Europe from the 16<sup>th</sup> century to the 21<sup>st</sup> century. Students will study political, cultural, and intellectual movements to draw conclusions about the traditions of western Europe. This course builds skills in critical reading, discussion, and historical research. Students are expected to enroll in the UCONN ECE course (separate fees may apply).

**Law and Criminal Justice** Academic Level: CP CREDIT: .50/HUM GRADE: 10, 11, 12

This course is designed to give students an introduction to law and provide a thorough grounding in the United States Legal System. Topics covered include the nature and sources of law, the doctrine of precedent, justice systems, law and society, and the various branches of law. You will have the opportunity to review various historical cases, study police procedure, and identify contemporary issues. We will also have the opportunity to review and debate changes to upcoming Connecticut state laws.

**Modern Day Ethic and Public Health** Academic Level: CP CREDIT: .50/HUM GRADE: 10, 11, 12

This course challenges students to learn and acquire the skills necessary to think about, analyze, and discuss ethical dilemmas and public health concerns.

**African American/Black and Puerto Rican/Latino Studies**

Academic Level: CP CREDIT 1.0 / HUM GRADE: 11,12

In this course, students will examine the complex histories of blacks and Latinos and how their absence in traditional historical perspectives has perpetuated the stratification of power and social construction of race and racism. The course will foster students' identity development and includes an in-depth analysis of our collective history in relation to the current context.

# SCIENCE

The mission of the Windham High School science department is to engage students in scientific concepts and the development of critical thinking skills. Students will become responsible for their own learning while participating in hands on lab activities, data collection and analysis.

<b>Windham High School Science Education Offerings</b>				
<b>Type</b>	<b>GRADE 9</b>	<b>GRADE 10</b>	<b>GRADE 11</b>	<b>GRADE 12</b>
<b>Typical Sequence</b>	Biology	Chemistry or Chemistry Honors Or Physics or Physics Honors	Chemistry, Chemistry Honors Physics,  Physics Honors or ECE Physics	Choice of Elective Science
<b>Offerings</b>		Chemistry Chemistry Honors Marine Biology Forensic Science-CS Forensic Science- ET Environmental Sci -PEEI Environmental Sci -ECO Geology	ECE Biology ECE Biotechnology Chemistry Chemistry Honors Physics Physics Honors ECE Physics Marine Biology ECE Environmental Science Anatomy & Physiology ECE Medical Terminology Forensic Science-ET Forensic Science-CS Environmental Sci - PEEI Environmental Sci - ECO Geology	ECE Biology ECE Biotechnology Chemistry Chemistry Honors Physics Physics Honors ECE Physics Marine Biology ECE Environmental Science Anatomy & Physiology ECE Medical Terminology Forensic Science & Evidential Topics Forensic Science & Crime Scene Environmental Sci - PEEI Environmental Sci - ECO Geology

## **Biology**

Academic Level: Honors or CP

CREDIT: 1.0/STEM

GRADE: 9

What are the characteristics of life? Students will use technology and scientific tools to conduct laboratory experiments that investigate topics such as enzymes, and yeast populations. Students will explore cells, microorganisms, principles of genetics, evolution, biodiversity, and population dynamics. Through these activities, students will develop an understanding of life and life processes. Teacher recommendation required for Honors level.

**Dual Language:** A section of this course will be taught in both English and Spanish for New Arrivals and students who were in the *Compañeros* program.

**Chemistry** Academic Level: Honors or CP CREDIT: 1.0/STEM GRADE: 10,11  
PREREQUISITE: Algebra I

Do you know why different substances react to form new compounds? In this course, Students will use technology and scientific tools to observe and analyze chemical reactions. Students will learn the structure of the atom, how to use the Periodic Table of Elements, why atoms form bonds, and how substances react with one another. For Honors level, students must have a teacher recommendation and be taking Algebra II concurrently.

**Dual Language:** A section of this course will be taught in both English and Spanish for New Arrivals and students who were in the *Compañeros* program.

**Physics** Academic Level: Honors or CP CREDIT: 1.0/STEM GRADE: 11,12  
PREREQUISITE: Algebra I

How physicists use mathematics to make sense of forces and motion? Students will use technology and scientific tools to investigate the relationship between matter and energy. Students will explore motion, magnetic and electric phenomena and waves. For Honors level, students must have a teacher recommendation and have passed Geometry and Algebra II.

**Marine Biology** Academic Level: CP CREDIT: .50/STEM GRADE: 10,11,12  
Offered Spring Semester

What types of marine species live right in Long Island Sound as well as the world's ocean? Emphasis is placed on the identification, habitat, and commercial value of local marine species including plankton, marine algae, invertebrates, and vertebrates. Topics of marine food chains and the interdependence of marine organisms are addressed. Man's impact on the marine environment and marine species is also examined.

**Anatomy & Physiology** Academic Level: CP CREDIT: .50/STEM GRADE: 10,11,12  
Offered Fall Semester

How does the human body work? Students will use technology and scientific tools to investigate cells and tissues and explore body systems (skeletal, muscular, nervous, digestive, circulatory, respiratory, and reproductive).

**Forensic Science and Evidential Topics** Academic Level: CP CREDIT: .50 /STEM GRADE: 10, 11,12

This forensics course can be taken in conjunction with Forensic Science and Crime Scene Fundamentals, or independent of it. Forensic Science focuses on the skills and concepts behind physical aspects of crime scene investigation and forensic science. Whether students desire to be a crime scene investigator, forensic pathologist, or some other medical scientist, this course will help them hone their investigative skills and review a wide range of science concepts. The following topics will be covered: Lab techniques, DNA Evidence, Drug Identification and Toxicology, Blood and Blood Spatter, Forensic Anthropology, Document Identification, Ballistics, Manner of Death, and Arson.

**Forensic Science and Crime Scene Fundamentals** Academic Level: CP CREDIT: .50/STEM GRADE: 10, 11,12  
Prerequisite: Forensic Science- ET

Forensic Science focuses on the skills and concepts behind physical aspects of crime scene investigation and forensic science. Whether students desire to be a crime scene investigator, forensic pathologist, or some other medical scientist, this course will help them hone their investigative skills and review a wide range of science concepts. The following topics will be covered: Lab techniques, Introduction to Forensic science, History of Forensic Science, Memory and the Innocence Project, Observation Skills, Deductive Reasoning, CSI Effect, Crime Scene Investigation, Evidence, Fingerprints.

### **Environmental Science -Population and Environmental Effects Interactions**

Academic Level: CP

CREDIT: .50/STEM GRADE: 10, 11,12

Students will learn how human interactions affect the Earth. Some of the topics covered in this course include; human population, agriculture, water and air pollution, resources/energy, land use, sustainability and global changes. We will concentrate heavily on the issue of our population's exponential increase and the effects that this has on our planet.

### **Environmental Science-Ecology**

Academic Level: CP

CREDIT: .50/STEM GRADE: 10, 11,12

This course is designed to improve your knowledge of the processes that occur on our planet. Some of the topics we will cover in this course include; biogeochemical cycles, ecosystem interactions, biomes, biodiversity, and global changes.

### **AP Chemistry**

Academic Level: AP

CREDIT: 1.0/STEM

GRADE: 11,12

PREREQUISITES: Chemistry & Algebra II

Students will learn about the fundamental concepts of chemistry, chemical bonding, thermochemistry, electrochemistry, reaction kinetics, chemical equilibrium, intermolecular forces, and how to use chemical calculations to solve authentic problems. Algebra II can be taken concurrently. Students enrolled in this course are expected to take the AP exam in May (separate fees apply). Teacher recommendation is required.

### **UCONN Physics**

Academic Level: ECE

CREDIT: 1.0/STEM

GRADE: 11,12

PREREQUISITE: Physics

ECE Physics is a full year course that is equivalent to two semesters of College Physics. Students will learn the basic facts and principles of physics. The laboratory offers fundamental training in precise measurements. Students are expected to enroll in the UCONN ECE course (separate fees may apply). **Teacher recommendation is required.**

### **UCONN Biotechnology**

Academic Level: ECE

CREDIT: .50/STEM

GRADE: 11,12

PREREQUISITE: Biology

ECE Biotechnology is a full year course that is the equivalent of a semester course in college. Students will explore the fundamental principles of biotechnology, career pathways and biotech business applications. Students will become familiar with the ancient and modern applications of biotechnology that have and will benefit society today and in the future. Laboratory activities will reinforce some of the concepts and principles presented in the course. Students are expected to enroll in the UCONN ECE course (separate fees may apply). **Teacher recommendation is required**

### **UCONN Environmental Science**

Academic Level: ECE

CREDIT: 1.0/STEM

GRADE: 11,12

ECE Environmental Science is a full year course that is equivalent to a one semester introductory course in college. Students will explore and investigate the interrelationships of the natural world, identify and analyze various environmental problems, and examine alternative solutions for resolving and/or preventing them. Students are expected to enroll in the UCONN ECE course (separate fees may apply). **Teacher recommendation is required.**

**UCONN Biology**

Academic Level: ECE

CREDIT: 1.0/STEM

GRADE: 11,12

PREREQUISITE: Biology

ECE Biology is a full year course that is equivalent to a full year introductory Biology course in college. Students will investigate molecules, cells and various processes, genetics and evolution of organisms, botany and animal behavior. Multiple laboratory experiments will be conducted, so that data can be collected and analyzed in order to understand life and life processes. The dissection of a fetal pig is mandatory. Students are expected to enroll in the UCONN ECE course (separate fees may apply). **Teacher recommendation is required.**

**UCONN Medical Terminology**

Academic Level: ECE

CREDIT: .50/STEM

GRADE:11, 12

PREREQUISITE: Biology, Anatomy &amp; Physiology

Offered Spring Semester

Introduction and mastery of medical terminology through presentation of word roots, prefixes and suffixes.

Eligibility Guidelines: Student must have successfully completed high school biology and Anatomy and Physiology is recommended.

**Geology**

Academic Level: CP

CREDIT: .50/STEM

GRADE: 10,11,12

Are you aware that the Earth is constantly changing? Students will learn about the history and formation of the Earth as well as, interior and surface processes that shape our planet, such as: earthquakes, volcanic activity, weathering, and landslides. The class will also cover topics on fossils and types of life throughout time and the significance of geological features.

## HEALTH AND PHYSICAL EDUCATION

The mission of the Health and Physical Education Department is to ensure that students have the skills and understandings they need to live active and healthy lives. The program is designed to show the linkages between the components of comprehensive school health education and physical education and how these components can lead to a healthy and balanced life.

All students are required to earn 1.0 credit in Physical Education and wellness to fulfill the graduation requirement. Students should take Physical Education and Wellness A while in 9th grade and Physical Education and Wellness, health and safety education A while in 10th grade. Upperclassman who met the 1.0 Physical Education requirements may choose to enroll in PE elective Lifetime Physical Fitness.

<b>Windham High School Physical &amp; Health Education Offerings</b>				
<b>Type</b>	<b>GRADE 9</b>	<b>GRADE 10</b>	<b>GRADE 11</b>	<b>GRADE 12</b>
<b>Required Courses</b>	Physical Education and Wellness A	Health and Safety Education A  Physical Education and Wellness B	Health and Safety Education B	Health and Safety Education B
<b>Electives</b>			Lifetime Physical Fitness  EMR	Lifetime Physical Fitness  EMR

**Physical Education and Wellness A** Academic Level: CP CREDIT: .50/HUM GRADE: 9

Students will have the opportunity to develop basic motor skills and patterns to perform a variety of activities. Students will incorporate fitness and wellness concepts to achieve and maintain a health-enhancing level of fitness.

**Physical Education and Wellness B** Academic Level: CP CREDIT: .50/HUM GRADE: 10

It is mandatory for all students in GRADE 10 to participate in the CT Physical Fitness Assessment. The program is designed to provide each student with an understanding of the importance of physical fitness in their student and adult lives and incorporates an awareness of the social, physical, and intellectual aspects of physical education

**Lifetime Physical Fitness** Academic Level: CP CREDIT: .50/HUM GRADE: 11, 12  
Equivalent of Physical Education and Wellness B

Students will learn the skills and rules to participate in many sports activities throughout your lifespan. Sports offered may include, but is not limited to: racket sports, water sports, aerobic activity volleyball, basketball, and soccer. Students will have the opportunity to develop a personalized fitness plan and work on core fitness activities in order to maintain their fitness.



**Health and Safety Education A**      Academic Level: CP      CREDIT: .50/HUM      GRADE: 9, 10  
Health 1 must be taken and passed by all students concluding their sophomore year. Health 1 is part of a comprehensive curriculum which focuses on personal and community health, emotional and social wellness, alcohol, tobacco and other drugs and human growth and development. Students will develop the skills necessary to make health-enhancing decisions and analyze behaviors in an effort to avoid health-related crises.

**Health and Safety Education B**      Academic Level: CP      CREDIT: .50/HUM      GRADE:11, 12  
Health 2 will focus on safety and wellness for optimal health benefits. Students will learn about the balance of nutrition, hydration and sleep. Concepts of physical activity and cardiovascular health relating to various body systems will be covered. Students will analyze the causes and prevention strategies associated with unintentional injury and violence. Students will also have the opportunity to learn the skills required to perform CPR, first aid, and administer an AED. Students selecting this course must have taken and passed Health education 1.

## PERFORMING AND VISUAL ARTS

Music education at Windham High School is an integral part of the entire educational process. The program provides for student development both through and in music. The multifaceted program concentrates on the enhancement of cultural and aesthetic values. Participation in the program provides students with a deeper appreciation of the fine arts through the beauty and expression of music.

Art Classes at Windham High School are designed to develop and broaden critical and creative thinking skills, foster an understanding of appreciation for the visual arts and culture, and increase students' proficiency in visual art techniques and processes. Students who wish to plan a portfolio for entrance into art schools or college art programs should notify an art teacher and/or the art department.

<b>Windham High School Performing &amp; Visual Arts Offerings</b>				
<b>Type</b>	<b>GRADE 9</b>	<b>GRADE 10</b>	<b>GRADE 11</b>	<b>GRADE 12</b>
<b>Offerings</b>	Music Technology Instrumental Music Concert Choir Concert Band String Orchestra Drawing Ceramics Graphic Design Cartooning 2D Design 3D Design Digital Art	Music Technology Instrumental Music Concert Choir Concert Band String Orchestra Drawing Ceramics Graphic Design Cartooning 2D Design 3D Design Digital Art	Music Technology Instrumental Music Concert Choir Concert Band String Orchestra Drawing Ceramics Graphic Design Cartooning 2D Design 3D Design Digital Art	Music Technology Instrumental Music Concert Choir Concert Band String Orchestra Drawing Ceramics Graphic Design Cartooning 2D Design 3D Design Digital Art

**Music Technology**                      Academic Level: CP                      CREDIT: .50/HUM/STEM                      GRADE: 9,10,11,12

Students will discover and explore introductory concepts used in music sequencing, DJ'ing, beat making, drum machines, microphones, notation and recording. No prior musical experience is needed. Students will create music using music editing software (Mixcraft 6 and Garageband), synthesizers and drum machines. Students will study the following genres of music: Latin, blues, jazz, musical theatre, gospel, folk, R&B, rock, hip hop, and many others.

**Instrumental Music**                      Academic Level: CP                      CREDIT: .50/HUM                      GRADE: 9,10,11,12

This is a half year elective course that is being offered for students who want to play guitar and piano, or would like to further their studies or interest in music. This course will be an overview of music theory, performance, and technique on both instruments and will offer students a basic understanding of music notation, ear training, and improvisation. The class will offer a general appreciation of music, but will also help guide more advanced students towards a lifetime in music. The class culminates with students learning to play as a musical combo with other musicians, performing a variety of styles, including rock, jazz, and classical.

**Concert Choir**                      Academic Level: CP                      CREDIT: 1.0/HUM                      GRADE: 9,10,11,12

This is a year-long course offered to current and aspiring singers in grades 9-12, regardless of their previous choral experience. The core curriculum explores basic vocal technique, music theory, and history as it relates to blues, jazz, musical theatre, gospel, folk, R&B, rock, hip hop, and other genres. This exploration takes place on a solo, small group, and large group performance level, as well as lecture and extensive listening. Students are expected to participate in one evening concert each semester as a major part of their grade as well as a few other performance opportunities that arise throughout the year. **Concert participation is required.**

**Concert Band**                      Academic Level: CP                      CREDIT: 1.0/HUM                      GRADE: 9,10,11,12

PREREQUISITE: One year of experience

The band class at Windham High School is a unique community experience in that each student is given the opportunity to participate in three distinct musical arenas within one class. The Concert Band focuses on learning and performing symphonic works from a variety of time periods and styles. Students will be given the chance to perform at competitions, festival performances, as well as school concerts. The Pep Band gives the students the opportunity to explore unique arrangements of pop/rock classics. This band is committed to supporting the Windham High School football & basketball teams and enhancing the experience of our school events. The Marching Band will play at various community events in Connecticut, and will compete in several band competitions in the USBANDS circuit each year. **Concert participation is required.**

**String Orchestra**                      Academic Level: CP                      CREDIT: 1.0/HUM                      GRADE: 9,10,11,12

PREREQUISITE: One year of experience

This course is offered as a continuation for students with previous orchestral experience. Educational emphasis is placed on the advancement of instrumental technique, further development of music reading and comprehension skills, independent musicianship, style, and a deeper understanding of small group ensemble music, and orchestral literature. Literature will contain both classical and popular music. Students will perform both in small group ensemble projects and as a large group. The orchestra will perform outside of class on a regular basis. Students are expected to participate in one evening concert each semester as a major part of their grade as well as a few other performance opportunities that arise throughout the year. **Concert participation is required.**

**Drawing**                      Academic Level: CP                      CREDIT: .50/HUM                      GRADE: 9,10,11,12

A variety of drawing techniques are introduced with experiments in media and consideration of subject matter. Observational drawing methods are practiced to create depth on a 2-dimensional surface, and color theory is explored. Students will look at major artists and styles. As students' progress, risk-taking and personal choices are teacher-facilitated as they build skills and become more confident in their work.

**Ceramics**                      Academic Level: CP                      CREDIT: .50/HUM                      GRADE: 9,10,11,12

This course introduces students to foundational techniques and processes of working with clay. Students will explore functional pottery through a variety of hand building techniques including coil and slab construction, pinch, slip cast, wheel throwing, glazing and surface design. Students will be introduced to ceramic sculpture techniques and tradition. Through this course, students will develop design thinking strategies, critical and creative habits of mind, and explore personal, cultural and historical connections in the arts and the community at large.

**Graphic Design**                      Academic Level: CP                      CREDIT: .50/HUM/STEM                      GRADE: 9,10,11,12

This class will introduce students to the art of graphic design. They will learn how to create logos, graphic designs for various mediums such as t-shirts, and even some tattoo designs, using their creative thinking skills and knowledge learned throughout the course.

**Cartooning**                      Academic Level: CP                      CREDIT: .50/HUM STEM                      GRADE: 9,10,11,12

This class will introduce students to the art of visual development and pre-production work for cartoons and animation. Students will use their creative skills to create original characters and environments. They will also learn how to implement colors, themes, and clothing to give their characters' personality and life.

**2D Design**                      Academic Level: CP                      CREDIT: .50 /HUM                      GRADE: 9,10,11,12

This class is a studio project orientated class exploring different media areas of 2-Dimensional design. The emphasis of this course is to expose students to 2D art mediums and to build their creative skills through the elements and principles of design. Projects may include: Abstract Drawing, Perspective Drawing, Portrait Drawing, Collage, Charcoal, Optical Art, Pastel Drawing, Scratchboard and painting are some of the projects that could be covered.

**3D Design**                      Academic Level: CP                      CREDIT: .50/HUM                      GRADE: 9,10,11,12

This course will introduce the basics of three dimensional design and processes. Jewelry techniques and skills will be integrated into the curriculum and provide students with the opportunity to create traditional jewelry as well as modern 3D design. 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, visual thinking, exploration of materials, sculptural techniques and artistic expression.

**Digital Art**                      Academic Level: CP                      CREDIT: .50 /HUM/STEM                      GRADE: 9,10,11,12

This class is a multimedia digital art class. In this class students will explore various forms of Computer Art, Digital Photography and Video. Students learn on multiple editing platforms and explore self-expression using 21st century skills.

## WORLD LANGUAGE

The mission of the World Languages Department is to provide research-based, rigorous opportunities for students to learn new languages as a vehicle to become successful and productive members of a global, diverse society. Our goal is to ensure that all students graduate with high levels of academic achievement in more than one language and with high degrees of socio-cultural competence.

<b>Windham High School World Language Offerings</b>				
<b>Type</b>	<b>GRADE 9</b>	<b>GRADE 10</b>	<b>GRADE 11</b>	<b>GRADE 12</b>
<b>Suggested Sequence</b>	Spanish I, Spanish II	Spanish II, Spanish III	Spanish III, Spanish IV	Spanish IV, AP Spanish Language,
<b>Native speakers with academic Spanish experience or <i>Compañeros</i> students</b>	Spanish III	Spanish IV	AP Spanish Language	AP Spanish Literature

**Spanish I**                                      Academic Level: CP                                      CREDIT: 1.0/HUM                                      GRADE: 9,10,11

Open to all students interested in learning Spanish who have no previous experience with the language or culture. Students will be introduced to Spanish language and culture, and improve their ability to speak, read, write, and understand.

**Spanish II**                                      Academic Level: CP                                      CREDIT: 1.0/HUM                                      GRADE: 9,10,11,12

PREREQUISITE: Spanish I or for students entering 9th Grade – Spanish I end-of-course exam

Follows the successful completion of Spanish I. Students will further their ability to understand and express themselves in Spanish for both social and academic purposes. **World language department recommendation only- based on Spanish language profile and proficiency.**

**Spanish III**                                      Academic Level: Honors or CP                                      CREDIT: 1.0/HUM                                      GRADE: 10,11,12

PREREQUISITE: Spanish II

Follows the successful completion of Spanish II. Students' continued study of Spanish will result in being able to understand, speak, and write in Spanish with increasing ease, accuracy, and authenticity. **World language department recommendation only- based on Spanish language profile and proficiency.**

**Spanish IV**                                      Academic Level: Honors or CP                                      CREDIT: 1.0/HUM                                      GRADE: 9,10,11,12

Students will develop their awareness for the language and Spanish-speaking cultures by discussing, comparing, and interpreting artifacts, practices, and perspectives that exist in various Spanish-speaking regions of the world. Native speakers with an academic background in Spanish are encouraged to take this course. For students who have completed Spanish I, II, and III, or come from the *Compañeros* program and plan to continue on the Spanish track for college credits. **World language department recommendation only- based on Spanish language profile and proficiency.**

**AP Spanish Language**

Academic Level: AP

CREDIT: 1.0/HUM

GRADE: 11,12

PREREQUISITE: Spanish IV Honors, AAPPL proficiency

Students will develop their awareness for the language and Spanish-speaking cultures by discussing, comparing, and interpreting artifacts, practices, and perspectives that exist in various Spanish-speaking regions of the world. Native speakers of Spanish are encouraged to take this course. Students enrolled in this course are expected to take the AP Exam in May (separate fees apply).

**AP Spanish Literature**

Academic Level: AP

CREDIT: 1.0/HUM

GRADE: 11,12

PREREQUISITE: Spanish IV Honors, AAPPL proficiency

This course emphasizes reading, understanding, and reacting in writing to literature/texts written in Spanish. Native Speakers of Spanish are encouraged to enroll. Students enrolled in this course are expected to take the AP Exam in May (separate fees apply)

## BUSINESS, ENGINEERING & TECHNOLOGY

The Department of Business, Engineering & Technology provides Windham High School students access to a high quality education and prepares them to succeed in high demand occupations, such as manufacturing. The Department holds a commitment to offer meaningful learning experiences that allow students to develop both the technical abilities and the 21<sup>st</sup> century's skills needed for post-secondary education and employment in a competitive global economy.

College & Career Preparation	Technology Education	Business Education
<ul style="list-style-type: none"> <li>• Career Exploration</li> <li>• Workplace Learning</li> <li>• Cooperative Work Education</li> <li>• Cooperative Work Education – Internship</li> <li>• EMR</li> <li>• EMT</li> <li>• ECE Intro. to SPED</li> </ul>	<ul style="list-style-type: none"> <li>• QVCC Manufacturing Math</li> <li>• QVCC Blueprint Reading</li> <li>• Intro. to CAD</li> <li>• Intro to Software Applications</li> <li>• Intro to Computer Science</li> <li>• QVCC Manufacturing Machinery</li> </ul>	<ul style="list-style-type: none"> <li>• UCONN Principles of Microeconomics</li> <li>• UCONN Principles of Macroeconomics</li> <li>• QVCC Intro to Business</li> <li>• QVCC Personal Finance</li> <li>• Management &amp; Leadership</li> <li>• Marketing</li> <li>• Financial Literacy</li> </ul>

### COLLEGE AND CAREER PREPARATION

**Career Exploration**                      Academic Level: CP    CREDIT: .50/HUM                      GRADE: 9

In this course, students will research the labor market and career pathways. Students will learn how to create an individualized career plan that leads to post-secondary opportunities.

**Workplace Learning**                      Academic Level: CP    CREDIT: .50/HUM                      GRADE: 11

This course will teach students the skills to succeed in the world of work. They will focus on self-assessment and leadership. Students evaluate themselves as learners and as professionals and use that data to set and track goals for personal and professional growth. They will also focus on teamwork and communication, and students will be able to engage effectively and communicate professionally as productive members of a team. This will encompass quarterly projects to demonstrate mastery of the course objectives. The course will also focus on critical thinking and problem solving. Students will research and analyze data to effectively solve authentic problems from the workplace. In addition, students will receive the preparation needed to apply for internships, as they will go through the different steps of job application, such as resume building, mock interviews, and cover letter writing among others.

**Cooperative Work Education**      Academic Level: CP    CREDIT: .50/HUM/STEM                      GRADE: 12

The Cooperative Work Experience (CWE) provides an important link between the classroom and the workplace for students age 16 and older. It enhances and adds relevance to classroom learning. Students often find learning on an abstract level challenging and learn more readily when they see the theory in operation and have an opportunity to

practice what they are learning. The CO-OP is essentially a partnership that links school, community, and business/industry to provide a real-world environment in which students are given the opportunity to apply, and thereby enhance, the knowledge and skills obtained in the classroom.

**Cooperative Work Education – Internship** Acad. Level: CP CREDIT: .50/HUM/STEM GRADE: 12

*Prerequisite:* Cooperative Work Education

This class is the second part of the Cooperative Work Education course. Students will work after school as interns at different companies in town or in close proximity. This internship will provide ECO students with the opportunity to gain work experience and networking in the manufacturing field. Students will be applying all the skills they learned in the Workplace Learning classes.

**\*Emergency Medical Responder** Academic Level: CP CREDIT: 1.0/STEM GRADE: 11

The Emergency Medical Responder course prepares the EMR student to provide prehospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Areas of study include an introduction to emergency medical services systems, roles and responsibilities of EMRs, anatomy and physiology, medical emergencies, trauma, special considerations for working in the prehospital setting, and providing patient transportation.

**\*Emergency Medical Technician** Academic Level: CP CREDIT: 1.0/STEM GRADE: 12

The Emergency Medical Technician course prepares the EMT student to provide prehospital assessment and care for patients of all ages with a variety of medical conditions and traumatic injuries. Areas of study include an introduction to emergency medical services systems, roles and responsibilities of EMRs, anatomy and physiology, medical emergencies, trauma, special considerations for working in the prehospital setting, and providing patient transportation.

\*Upon successful completion of both the EMR & EMT courses students will be eligible to sit for the State Emergency Medical Technician Exam. Courses may be taken independently with no state certification granted.

**UConn Introduction to Special Education** Academic Level: ECE CREDIT: .50/HUM GRADE: 11,12

Students will become familiar with the history, laws, regulations and concepts related to exceptional students and special education in American schools. Gain an understanding of the characteristics of certain exceptionalities and how these characteristics might impact student learning. Explore their own attitudes regarding exceptional students and people with disabilities. Gain an understanding of the roles of various professionals in working with exceptional students in American schools. CEC Knowledge and Skill Base for All Beginning Special.



## TECHNOLOGY EDUCATION

### **QVCC Manufacturing Math**

Academic Level: QVCC

CREDIT: 1.0/STEM

GRADE: 9

A further study of arithmetic and trigonometric operations applied to manufacturing circumstances. The following geometric entities are studied in detail: the circle, regular and irregular polygons, the right triangle and oblique triangles. The application of angular arithmetic including the study of: angle decimal conversion, the Pythagorean Theorem, Sin, Cos, and Tan functions, and the Law of Sines and Law of Cosines.

### **QVCC Blueprint Reading**

Academic Level: QVCC

CREDIT: .50/STEM

GRADE: 10

Prerequisite: Manufacturing Math

An initial course in blueprint reading. The study of orthographic projection. Topics include lines and their uses, auxiliary views, sectional views, basic and special dimensioning, dimensioning practices for holes, chamfers, angle, tapers, keyways diameters, radius, and geometric tolerance.

### **Intro to CAD**

Academic Level: CP

CREDIT: .50/STEM

GRADE: 10,11,12

Students will explore the evolution of professional drafting from hand-draftings to computer aided drafting (CAD). Students will utilize AutoCAD to create accurate renditions of objects of progressive complexity.

### **Intro to Software Applications**

Academic Level: CP

CREDIT: .50/STEM

GRADE: 10, 11, 12

In this course, students will acquire the knowledge of and the experience in the proper and efficient use of software packages, such as Microsoft Office. Students will explore a wide range of applications, including but not limited to word-processing, spreadsheet, graphics, and database programs.

### **Intro to Computer Science**

Academic Level: CP

CREDIT: .50/STEM

GRADE: 10, 11, 12

An engaging course that explores a variety of basic computational thinking and programming concepts through a project-based learning environment. Every unit of content culminates in a comprehensive project and roughly 75% of student time is spent building projects and practicing the skills they are learning.

### **QVCC Manufacturing Machinery**

Academic Level: QVCC

CREDIT: .50/STEM

GRADE 10,11,12

Prerequisite: Manufacturing Math

A basic course in the fundamentals, principles, practices, and tools used in semi-precision and precision layout and in the various tools, methods and procedures for common machine shop benchwork. Topics will include measurements systems, layout principles, hand tools and power tools.

## BUSINESS EDUCATION

### **Financial Literacy**

Academic Level: CP

CREDIT: .50/STEM

GRADE: 10,11,12

This course helps students to acquire the basic knowledge and skills to make better-informed financial choices. The topics include the basics of personal income and budgeting, consumer credit, and taxes.

### **UCONN Principles of Microeconomics**

Academic Level: ECE

CREDIT: .50/HUM/STEM

GRADE: 11, 12

Prerequisite: Algebra I and Geometry

How the invisible hand of the market functions through the economic decisions of firms and individuals. How prices, wages and profits are determined, resources are allocated and income is distributed. By the end of the course, students will be able to use supply and demand diagrams to analyze the impact of changes in supply and demand on price and quantity, understand and explain firm behavior, and analyze different types of market structures (competitive markets, monopoly, and oligopoly).

### **UCONN Principles of Macroeconomics**

Academic Level: ECE

CREDIT: .50/HUM/STEM

GRADE: 11, 12

Prerequisite: UCONN Principles of Microeconomics

Whereas microeconomics encompasses decisions that small units, such as individual households and firms, make concerning the allocation of scarce resources; macroeconomics entails the study of how an economic system functions as a whole. Therefore, instead of looking at prices and quantities of specific goods and services, in macroeconomics we analyze the total output of an economy, as well as the general price level, among other economic aggregates.

### **QVCC Intro to Business**

Academic Level: QVCC

CREDIT: .50/HUM/STEM

GRADE: 11, 12

A basic course in business, designed to provide an overall view of the ownership patterns, structure, and essential operations of business organizations. Upon completion of this course, the student will be able to define business and explain current's business environment, differentiate and analyze the basic forms of business ownership, analyze the characteristics of small businesses and their role in the economy, describe and analyze the key elements of the major financial statements and the budget process, describe and analyze the major financial indicators to evaluate companies' financial condition, identify the major sources of funds available to meet the needs of a company in the short and long term, analyze US financial markets, institutions, and major instruments, describe and analyze each key element of marketing strategy, analyze the characteristics and classifications of a product and the strategies and tools to promote it and communicate its value to customers, describe and analyze the process of distribution and pricing, and describe and analyze management's major areas.

### **QVCC Personal Finance**

Academic Level: QVCC

CREDIT: .50/HUM/STEM

GRADE: 10, 11, 12

This course provides a basic understanding of personal finance in a non-technical presentation. The choices that consumers face in managing their finances are examined. The topics include the basics of personal income and budgeting, consumer credit, investing, taxes, housing, insurance, retirement, and estate planning. Upon completion of this course the student will be able to identify and understand employee withholdings, develop a budget by discriminating items to include and planning for emergencies, identify and explain the advantages and disadvantages of different investment options, identify the components and fees of consumer financial products, understand the concept of time value of money and use a spreadsheet to calculate the impact of time value of money with different investment alternatives, understand the terms and conditions of credit cards, loans, and credit score, identify and understand different risk management methods, understand the impact of income taxes on personal investing/financing decisions, and estimate the needs for retirement and plan accordingly.

**Management & Leadership**

Academic Level: CP

CREDIT: .50/HUM/STEM

GRADE: 11, 12

This course will provide students with the opportunity to analyze the role of management and its importance to organizational success from the perspective of: planning and decision making, organizing, leading, and monitoring. Students will study key theories and current practices of motivation as well as the role of managerial leadership and key leadership styles.

**Marketing**

Academic Level: CP

CREDIT: .50/HUM/STEM

GRADE: 11, 12

This course provides students with a basic understanding of marketing and its role in business. By the end of the course, students will be able to understand the objectives, the process, and the scope of marketing as well as to assess the different elements of a marketing strategy in terms of consumer market segmentation, marketing mix (product, price, place, and promotion), among others.

## FAMILY AND CONSUMER SCIENCE

To prepare students for family life, work life and careers in Family and Consumer Sciences. To balance personal, home, family and work lives. Provide an opportunity for 21<sup>st</sup> century learning by bringing critical thinking, creativity, collaboration and communication to life through hands on learning.

<b>Windham High School Family &amp; Consumer Science Offerings</b>				
<b>Type</b>	<b>GRADE 9</b>	<b>GRADE 10</b>	<b>GRADE 11</b>	<b>GRADE 12</b>
<b>Course Offerings</b>		Culinary	Culinary UCONN Independent & Family Development	Culinary UCONN Independent & Family Development

### **Culinary**

Academic Level: CP

CREDIT: .50/HUM

GRADE: 10,11,12

Students will learn about nutrition and the Food Guide pyramid, and then use that information to plan meals. Students will prepare examples of appetizers, soups, salads and then main courses. The second part will focus on a multi-cultural exploration of food. Students will learn about the history, geography and culture of each country or region we study, while they prepare and serve complete meals that represent typical foods served from each area.

### **UCONN Independent & Family Development**

Academic Level: ECE

CREDIT: 1.0/HUM

GRADE: 11,12

This course is designed as an introduction to the field of Human Development and Family Studies. This class will provide you as students with an understanding of individual and family development over the life span. In particular, the course will focus on the developing individual within the context of the family system and the changes that occur in family systems over time. Students are expected to enroll in the UCONN ECE course (separate fees may apply).