SPOTSYLVANIA
COUNTY PUBLIC SCHOOLS

Course Pathways
For Middle School Students

2024-2025

SCHOOL LOCATIONS

SPOTSYLVANIA
COUNTY PUBLIC SCHOOLS

ELEMENTARY

1 Battlefield
2 Berkeley
3 Brock Road
4 Cedar Forest
5 Chancellor
6 Courthouse Road
7 Courtland
8 Harrison Road
9 Livingston
10 Parkside
11 Riverview
12 Robert E. Lee
13 Salem
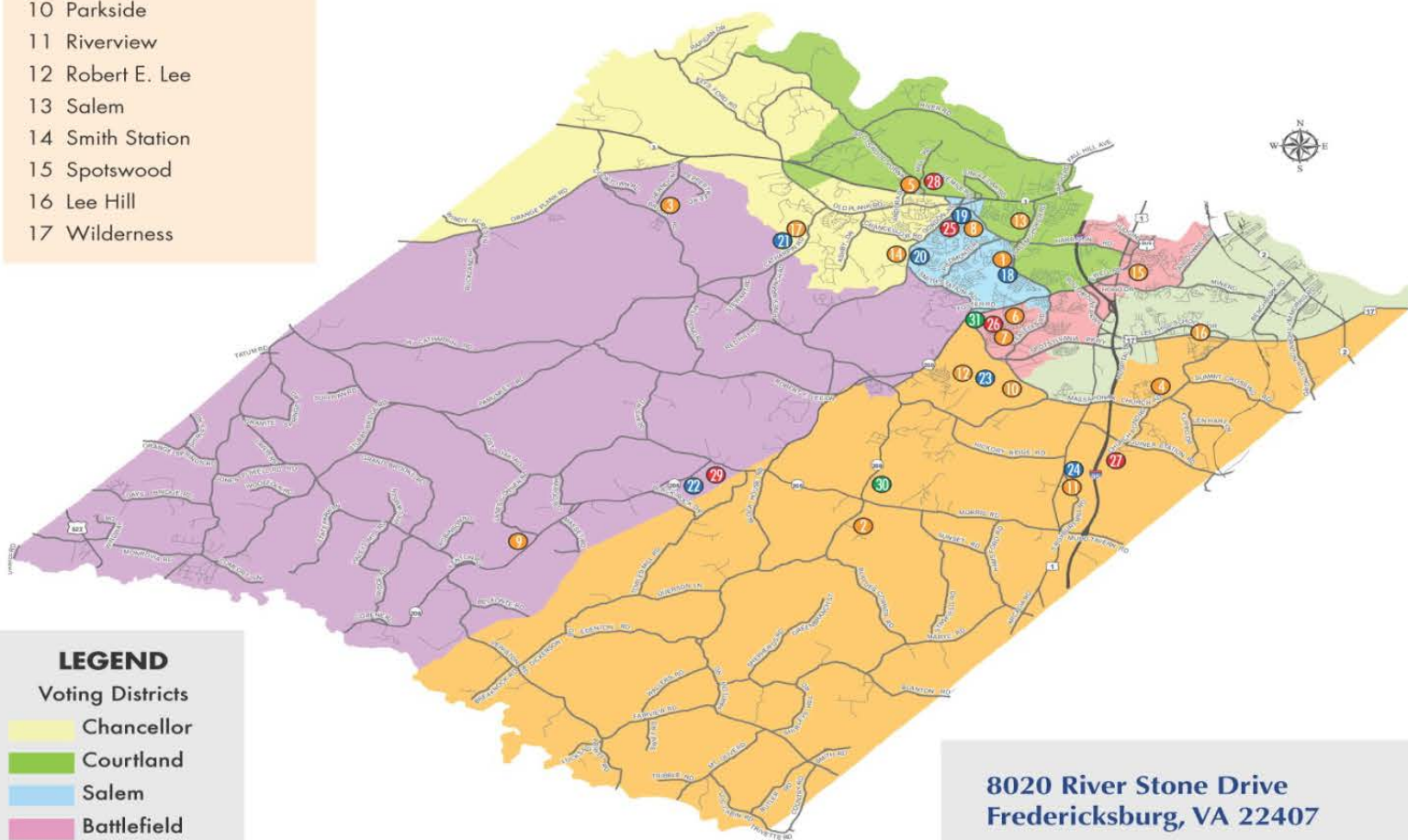14 Smith Station
15 Spotswood
16 Lee Hill
17 Wilderness

MIDDLE

18 Battlefield
19 Chancellor
20 Freedom
21 Ni River
22 Post Oak
23 Spotsylvania
24 Thornburg

HIGH

25 Chancellor
26 Courtland
27 Massaponax
28 Riverbend
29 Spotsylvania

CENTERS

30 JJWCC
31 CAREER AND TECH

LEGEND

Voting Districts

Chancellor
Courtland
Salem
Battlefield
Lee Hill
Berkeley
Livingston

8020 River Stone Drive
Fredericksburg, VA 22407

P 540.834.2500
F 540.834.2550

www.spotsylvania.k12.va.us

Directory of Middle Schools

Middle Schools

BATTLEFIELD
11120 Leavells Road
Fredericksburg, VA 22407
540.786.4400
Principal – Mike Brown

CHANCELLOR
6320 Harrison Road
Fredericksburg, VA 22407
540.786.8099
Principal – Dr. Deborah Frazier

FREEDOM
7315 Smith Station Road
Fredericksburg, VA 22407
540.548.1030
Principal – Dr. Eric Wright

NI RIVER
11632 Catharpin Road
Spotsylvania, VA 22553
540.785.3990
Principal – Ashley Faaborg

POST OAK
6959 Courthouse Road
Spotsylvania, VA 22551
540.582.7517
Principal – Harold Pellegreen

SPOTSYLVANIA
8801 Courthouse Road
Spotsylvania, VA 22553
540.582.6341
Principal – Paul Workman

THORNBURG
6929 N. Roxbury Mill Road
Spotsylvania, VA 22551
540.582.7600
Principal – Julie Hamlett

Centers

JOHN J. WRIGHT EDUCATIONAL
& CULTURAL CENTER
7565 Courthouse Road Spotsylvania,
VA 22551 540.582.7583
Principal – Ms. Terecia Gill

SPOTSYLVANIA CAREER
& TECHNICAL CENTER
6713 Smith Station Road
Spotsylvania, VA 22553 540.898.2655
Principal – Mr. Reitha Abed

Mark B. Taylor
Superintendent

Kelly Guempel
Deputy Superintendent -
Chief Academic Officer

Jennifer Belako
Excutive Director of
Elementary Education

Allen Hicks
Executive Director of
Secondary Education &
Leadership

Allison Langridge
Executive Director of
Student Support Services

The full contents of this course selection guide are available online at www.spotsylvania.k12.va.us

Table of Contents

Our Mission
Together, we prepare our students for their future.

Our Vision
We inspire and empower each student to develop essential skills and access multiple pathways in pursuit of their dreams. Every day, each child yearns to come to school, excited about learning.

Our Core Values
- Quality
- Equity
- Innovation
- Inclusivity
- Collaboration
- Citizenship
- Stewardship

Introduction

Finding your E
As our vision and mission statements indicate, we want students to come to school excited about learning as we prepare them for their futures. Upon graduating from high school, we want students to have the tools necessary to choose the post-secondary plan that is right for them. Spotsylvania County Public Schools encourages students to select one of four options after graduation: Enrolled, Enlisted, Employed or Engaged in their Community. The 4Es provide an end goal for each of our students to look forward to upon leaving SCPS.

The pathways included in this guide provide students with a potential sequence to pursue the E of their choosing. The pathways are suggestions for consideration, not a prescribed sequence that must be followed. If you are passionate about music and technology, take both types of courses! Pursue clubs and activities that interest you. Explore what intrigues you as you develop the skills you need for your future.

The career pathways pages that follow describe coursework that can lead to various careers in our community. These will be useful to you as you choose courses and plan for your E. The pathways suggest courses that align with specific career interests. Please read, learn, ask questions, and plan wisely.

Course Availability
Courses are available to students who have met the stated prerequisites. Occasionally, a particular course will not be available due to an insufficient number of students desiring the course or a scheduling conflict. If a student selects one or more of these courses, an alternate class must be chosen. While every effort is made to resolve conflicts, in certain situations, students may need to consider alternative choices. The school will attempt to contact students and parents when this becomes necessary.

Statement of Non-Discrimination
Spotsylvania County Public Schools does not discriminate on the basis of race, color, ethnicity, age, religion, national origin, sexual orientation, gender identity, sex, marital status, or disability. All students have equal access to the courses and programs contained within this guide.

What's Your E?

ENROLLED

Upon graduation, students will pursue post-secondary education at a 2-year community college, 4-year university, or trade school

EMPLOYED

Upon graduation, students will gain meaningful employment in a field that is a career interest of the student

ENLISTED

Upon graduation, students will enlist in a branch of the U.S. Military to include the Army, Marines, Navy, Air Force, Coast Guard or Space Force

ENGAGED

Upon graduation, students will have the life skills necessary to be active members of their community

Career Pathways

For each career pathway, a summary of that cluster is provided along with information about projected job growth, certifications/credentials, student organizations, postsecondary options at Germanna Community College, and a sampling of what is offered at four-year state colleges/universities.

In the future careers charts, the regional projection growth is the Local Workforce Investment Area XIII, which consists of the following counties/cities: Spotsylvania, Stafford, Fredericksburg, King William, King George, Essex, Richmond, Westmoreland, Northumberland, King and Queen, Caroline, Accommack, and Middlesex. These projections are from 2016 to 2026.

Each career pathway offers a variety of different certifications or credentials. A credential/certification as defined by the Virginia Department of Education:

- *State-issued professional license* - required for entry into a specific occupation as determined by a Virginia state licensing agency (Licensed Practical Nurse (LPN), Cosmetology);
- *Full industry certification* - from a recognized industry, trade, or professional association validating essential skills of a particular occupation (A+ CompTIA, Microsoft Certified Professional (MCP);
- *Pathway industry certification* - which may consist of entry-level exams as a component of a suite of exams in an industry certification program leading toward full certification (Automotive Service Excellence, (ASE), Microsoft Office Specialist (MOS); or
- *Occupational competency assessment* - a national standardized assessment of skills/knowledge in a specific career and/or technical area, (NOCTI).

Agriculture, Food, and Natural Resources Pathways

Summary of Pathway

Do you have a love of science, environment, and/or animals? Learners who pursue Animal Science will be prepared for careers that involve improving the quality and safety of food, cultivating and preserving our natural resources, and caring for animals. Learners need a solid background in math, science, communications, and technical skills.

The Plant Science pathway encourages students to study the production of plants while developing an understanding of one of the largest employment sectors. Learners will receive hands-on instruction in floral design and in greenhouse managements. The major focus of the pathway is to expose students to the world of agriculture, plant science, and career options.

This area is projected to grow by 19% by 2026. Classes that help students advance in this area are Geometry, Biology, and Anatomy and Physiology. Students will also have the opportunity to apply for the Veterinary Science program at the Career and Tech Center.

Certifications Earned

Animal Systems Assessment; Canine Care and Training Program-Level 1 Certification Examination; Customer Service Specialist (CSS) Examination; Pet Sitters Certification Examination; Small Animal Science and Technology Assessment; Workplace Readiness Skills for the Commonwealth Examination; Commercial Pesticide Applicator Certification Examination; Floriculture Assessment; Floriculture: Greenhouse Assessment; Greenhouse Operators Certification Examination; Horticulture-Landscaping Assessment; Plant Science Certification Examination

Postsecondary Options at Germanna Community College

- Associates of Arts and Sciences in Science
- Applied Horticulture/Horticulture Operations
- Associates of Applied Science in Mining Technology, Natural Resources, and Conservation

Sample Postsecondary Options at a 4-year University

- Agricultural Science Major
- Pre-Veterinary Science Medicine Major
- Wildlife Conservation
- Marine Biology
- Landscape Design
- Floral Design
- Forestry and Wildlife
- Environmental Science

FUTURE CAREER GROWTH PROJECTIONS
(Projections based on Regional Statistics)

Veterinary Assistants and Laboratory Animal Caretakers - 27%

Veterinary Technologists and Technicians - 29%

Recreation Workers - 13%

Landscaping - 14%

Occupational Health and Safety Specialists - 7%

Farming, Fishing & Forestry Workers - 11%

Veterinarians - 25%

Student Organizations
- FFA

Agriculture, Food, and Natural Resources Pathways

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
English	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	English 8	English 9	English 10	English 11	English 12
	Hon English 8	Hon English 9	Hon English 10	Hon English 11	Hon English 12
				AP English Language & Composition	AP English Literature & Composition
				DE College Composition	DE College Literature
Math	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Math 8	Algebra I	Geometry	AFDA	Algebra II
	Algebra I	Geometry	Hon Algebra II	Algebra II/ Hon Algebra II	Applied Math
	Geometry	Hon Algebra II	Math Analysis/ DE Pre-Calculus	DE Pre-Calculus/ Math Analysis	Math Analysis/ DE Pre-Calculus
				AP Calculus/ DE Calculus	AP Statistics
Science	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Physical Science	Environmental Science	Biology	Earth Science	Earth Science II
	Hon Physical Science	AP Environmental Science	Hon Biology	Chemistry	Physics/AP Physics/ DE Physics
			AP Biology with Chemistry	AP Chemistry	Any Science
Social Studies	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	World History I	World Geography	World History II	US History	Government
	Hon World History I	AP Human Geography	AP World History II	AP US History	AP Government
Health & PE	Health/PE 8	Health/PE 9	Health/PE 10		
World Language	World Language I through AP				
Per. Fin./Econ			Economics & Personal Finance		
Possible Additional Courses		Small Animal Care		Veterinary Science I (DE)	Veterinary Science II (DE)
		Intro to Animal Science	Agri-Business	Adv. Agri-Business	
			Horticulture Production	Greenhouse Operations	Agriculture Cooperative Education

Architecture and Construction

Summary of Pathway

Do you want to design, build, or manage the structures where we live, work, and play? Learners who pursue this career pathway will help prepare the next generation of construction trades workforce and architects. This area is projected to grow by 12%, and this is an area of growing need. Students with this training will be in high demand for entry-level positions. There will be opportunity for internships and registered apprenticeships positions. Courses that help prepare students for this pathway are Technology Education classes offered at the high schools. Students will also have the opportunity to apply for HVAC-R, Carpentry, Electricity, and Drafting at the Spotsylvania Career and Tech Center.

Certifications Earned

EPA 608 - Refrigerant Handling Certification
OSHA 10 - Occupational Safety & Health Administration 10 Hour Card
International Code Council Building Trades Certification

Postsecondary Options from Spotsylvania Career & Technical Center

- Registered Apprenticeship Programs of Electricity, Plumbing, and HVAC-R

Postsecondary Options at Germanna Community College

- Registered Apprenticeship Programs in a variety of trades include: Carpentry, CNC Milling Operator, Electrical, HVAC, Industrial Maintenance, Plumbing, and Open Pit Miner

Postsecondary Options at a 4-year University

- Bachelor of Fine Arts - Architectural Design
- Bachelor of Science - Architecture
- Bachelor of Urban and Environmental Planning

**Construction Trades do not require a 4-year Bachelor's Degree.

FUTURE CAREER GROWTH PROJECTIONS
(Projections based on Regional Statistics)

Construction Managers - 7%

Cost Estimators - 9%

Brick & Block Masons - 13%
Carpenters - 6%

Electricians - 11%

Electrical Power-Line Installers and Repairers - 10%

Architectural and Engineering Managers - 10%

Heating, Air Conditioning, and Refrigeration Mechanics and Installers - 19%

Construction and Building Inspectors - 12%

Student Organizations

- SkillsUSA
- TSA
- National Association of Home Builders - Student Chapter

Architecture and Construction Pathways

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
English	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	English 8	English 9	English 10	English 11	English 12
	Hon English 8	Hon English 9	Hon English 10	Hon English 11	Hon English 12
				AP English Lang./Comp.	AP English Lit./Comp.
				DE College Composition	DE College Literature
Math	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Math 8	Algebra I	Geometry	AFDA	Algebra II
	Algebra I	Geometry	Hon Algebra II	Algebra II/ Hon Algebra II	Applied Math
	Geometry	Hon Algebra II	Math Analysis/ DE Pre-Calculus	DE Pre-Calculus/ Math Analysis	Math Analysis/ DE Pre-Calculus
				AP Calculus/ DE Calculus	AP Statistics
Science	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Physical Science	Environmental Science	Biology	Earth Science	Earth Science II
	Hon Physical Science	AP Environmental Science	Hon Biology	Chemistry	Physics/AP Physics/ DE Physics
			AP Biology with Chemistry	AP Chemistry	Any Science
Social Studies	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	World History I	World Geography	World History II	US History	Government
	Hon World History I	AP Human Geography	AP World History II	AP US History	AP Government
Health & PE	Health/PE 8	Health/PE 9	Health/PE 10		
World Language	World Language I through AP				
Per. Fin./Econ			Economics & Personal Finance		
Possible Additional Courses	Tech Systems	Manufacturing Tech	Construction Tech	Carpentry, Electricity, or HVAC I	Carpentry, Electricity, or HVAC II
		Engineering Exploration	Engineering Studies	Architectural Drafting I or Mechanical Drafting I	Architectural Drafting II or Mechanical Drafting II
		Drafting I	Architectural Drafting II or Mechanical Drafting II	Architectural Drafting II or Mechanical Drafting II	

Arts, Audio/Video Tech, and Communications

Summary of Pathway

Are you creative? The Arts Pathway helps students showcase the creative expression of their ideas through a wide variety of imaginative mediums, designs, and performances. The Kennedy Center Arts Edge research shows that the arts play a critical role in quality education by: fostering creativity and innovative thinking; helping students communicate a variety of messages; improving student achievement in other disciplines; advancing problem-solving and cognitive skills; enhancing cultural understanding; and increasing attendance and graduation rates. Learners who pursue the music, theatre, and visual arts pathway will be involved in effectively communicating in both oral and written form. In addition, the creative aspects of this cluster are rapidly merging with technological skills, making it even more challenging. Preparation for careers in this cluster through high school allows students to gain experience in the performing and visual arts as well as in the academic foundations. This area is projected to grow by 10% by 2026. Students will have the opportunity to take visual and performing arts classes within their own high schools. Students can also take Video Production courses at the Spotsylvania Career and Tech Center.

Postsecondary Options at Germanna Community College

- Associate of Arts and Science - General Studies
- Associate of Arts and Science - Liberal Studies
- Certificate in Fine Arts
- Certificate in Graphic Communications

Sample Postsecondary Options at a 4-year University

- Bachelor of Arts - Art History, Studio Art, Dance, Digital Video and Cinema, Converged Media, Communication Studies
- Bachelor of Fine Arts - Interior Design, Art, Dance and Choreography, Fashion, Graphic Design, Theatre
- Bachelor of Music - Composition, Music Industry, Performance

FUTURE CAREER GROWTH PROJECTIONS
(Projections based on Regional Statistics)

Graphic Designer - 12%

Actors - 10%

Music Directors - 8%

Composers - 8%

Art Directors - 13%

Fine Artists (Painters, Sculptors, Illustrator) - 4%

Film & Video Editors - 16%

Photographers - 14%

Audio & Video Technicians - 13%

Musicians & Singers - 11%

Set Designers - 9%

Art Directors - 13%

Student Organizations

- Art Club
- Drama Club
- Marching Band
- Spring Musical
- Extracurricular productions and events
- VHSL Competitions: Fall One Act Play, Forensics, and Film Festival

Arts, Audio/Video Tech, and Communications Pathways

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
English	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	English 8	English 9	English 10	English 11	English 12
	Hon English 8	Hon English 9	Hon English 10	Hon English 11	Hon English 12
				AP English Lang./Comp.	AP English Literature/Comp.
				DE College Composition	DE College Literature
Math	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Math 8	Algebra I	Geometry	AFDA	Algebra II
	Algebra I	Geometry	Hon Algebra II	Algebra II/ Hon Algebra II	Applied Math
	Geometry	Hon Algebra II	Math Analysis/ DE Pre-Calculus	DE Pre-Calculus/ Math Analysis	Math Analysis/ DE Pre-Calculus
				AP Calculus/ DE Calculus	AP Statistics
Science	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Physical Science	Environmental Science	Biology	Earth Science	Earth Science II
	Hon Physical Science	AP Environmental Science	Hon Biology	Chemistry	Physics/AP Physics/ DE Physics
			AP Biology with Chemistry	AP Chemistry	Any Science
Social Studies	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	World History I	World Geography	World History II	US History	Government
	Hon World History I	AP Human Geography	AP World History II	AP US History	AP Government
Health & PE	Health/PE 8	Health/PE 9	Health/PE 10		
World Language	World Language I through AP				
Per. Fin./Econ			Economics & Personal Finance		
Possible Additional Courses	Art Grade 6/Art Grade 7/ Art Grade 8	Art I	Art II	Art III	Art IV, AP Studio Art
	Hands On Music	Theatre Arts I	Theatre Arts II	Theatre Arts III	Theatre Arts IV
	Theatre Arts		Technical Theatre	Theatre Seminar (CHHS & MHS) / IB Theatre Arts	
	Band	Concert Performance Band/ Symphonic Band/ Performance Jazz Band			
	Chorus	Chorus/ Select Chorus/ Concert Chorus/ Vocal Ensemble/ Contemporary Ensemble			
	Orchestra	Basic Strings/ Concert Performance Orchestra/ Symphonic Performance Orchestra			
			Music Theory	AP Music Theory/ IB Music	
				Sculpture I	Sculpture II
				Dance I (CoHS)	Dance II (CoHS)
				Intro. To Music Technology (SHS)	Intro. To Music Technology (SHS)
		Intro to Video Production	Advanced Video Production		

Business Management and Administration/Finance

Summary of Pathway

Do you want to be a Chief Executive Officer (CEO) or Chief Financial Officer (CFO)? Do you want to run an organization? This pathway is a diverse field that incorporates many types of management positions. From major corporations to independent businesses, every operation needs skilled administrators in order to succeed. Students will learn how to be motivated and organized in order to thrive in business where environments are often high-powered. Learning how to deal with stress will help students keep their cool — and keep their business in the black. This area is expected to grow by 8% in Business Management and Administration and by 10% in Finance. Courses that help to prepare students for this pathway include all business courses and marketing courses.

Certifications Earned

Workplace Readiness Skills

Postsecondary Options at Germanna Community College

- Associates of Art and Science - Business Administration
- Associate of Applied Science - Business Management
- Career Studies Certificate - Accounting, Business Core, Entrepreneurship, Supervision

Sample Postsecondary Options at a 4-year University

- Bachelor of Science in Commerce - Accounting, Business, Economics, Finance
- Bachelor of Business Administration - Finance, Financial Economics, Political Economy
- Certificate in Venture Creation

FUTURE CAREERS GROWTH PROJECTIONS

(Projections based on Regional Statistics)

General and Operations Managers - 12%

Sales Managers - 12%

Administrative Services Managers - 13%

Management Analysts - 19%

Training and Development Specialists - 22%

Social and Community Service Managers - 25%

Computer and Information Systems Managers - 16%

Receptionists & Information Clerks - 19%

Fundraisers - 29%

Student Organizations
- FBLA
- DECA

Business Management and Administration/Finance Pathways

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
English	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	English 8	English 9	English 10	English 11	English 12
	Hon English 8	Hon English 9	Hon English 10	Hon English 11	Hon English 12
				AP English Lang./Comp.	AP English Lit./Comp.
				DE College Composition	DE College Literature
Math	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Math 8	Algebra I	Geometry	AFDA	Algebra II
	Algebra I	Geometry	Hon Algebra II	Algebra II/ Hon Algebra II	Applied Math
	Geometry	Hon Algebra II	Math Analysis/ DE Pre-Calculus	DE Pre-Calculus Math Analysis	Math Analysis/ DE Pre-Calculus
				AP Calculus/ DE Calculus	AP Statistics
Science	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Physical Science	Environmental Science	Biology	Earth Science	Earth Science II
	Hon Physical Science	AP Environmental Science	Hon Biology	Chemistry	Physics/ AP Physics/ DE Physics
			AP Biology with Chemistry	AP Chemistry	Any Science
Social Studies	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	World History I	World Geography	World History II	US History	Government
	Hon World History I	AP Human Geography	AP World History II	AP US History	AP Government
Health & PE	Health/PE 8	Health/PE 9	Health/PE 10		
World Language	World Language I through AP				
Per. Fin./Econ			Economics & Personal Finance		
Possible Additional Courses	Information Technology Fundamentals	Introduction to Marketing	Fashion Marketing/ Sports Marketing	Marketing	Advanced Marketing w/ Co-op or Marketing Management
		MOS I	MOS II	DMWT I	DMWT II
			Business Management		

Education and Training/Human Services

Summary of Pathway

Do you want to make a difference? Learners who pursue the Education and Training/Human Services pathway will be involved in classes to prepare the next generation to make a difference. This family of classes and practical experiences prepares students for the art of teaching, planning, and administration in schools, colleges, technical institutes, and businesses. This pathway can also prepare students for cosmetology, counseling, and self/personal care. The jobs in the area of Education and Training are expected to grow by 9% and Human Services by 16%. Courses in Family and Consumer Science and Psychology will help to prepare students for this pathway. Students also have the opportunity to apply to Early Childhood Education (Spotsylvania Career and Tech Center), Teachers for Tomorrow (Chancellor High School), and Cosmetology (Spotsylvania Career and Tech Center).
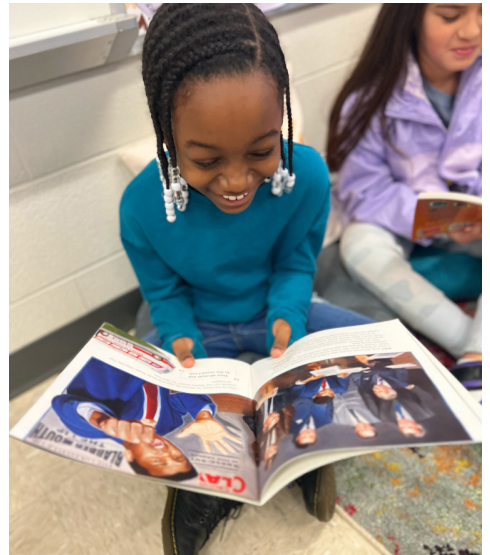
Certifications Earned

Cosmetology State Board of Licensing Certification; American Association of Family and Consumer Science Early Childhood; Education Student Certification

Postsecondary Options at Germanna Community College

- Associates of Arts and Sciences - Education
- Specialization K-8 General Studies - Psychology Specialization
- Associates of Applied Sciences - Early Childhood Development
- Certificate - Early Childhood Development, General Education Certificate
- Career Studies Certificate - Early Childhood Development

Sample Postsecondary Options at a 4-year University

In Virginia, students do not major in education. Instead, future teachers major in a content area (such as Biology, Modern Foreign Languages, or Theatre) and work toward teacher licensure through a 4-year undergraduate or 5-year master's program.

FUTURE CAREER GROWTH PROJECTIONS

(Projections based on Regional Statistics)

Teachers (all levels) - 13%

Administrators - 13%

School Counselors - 18%

Coaches - 19%

Teaching Assistants - 12%

Librarians - 16%

Interpreters - 27%

Translators - 28%

Student Organizations

- FCCLA
- Ed Rising

Education and Training/Human Services Pathways

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
English	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	English 8	English 9	English 10	English 11	English 12
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				DE College Composition	DE College Literature
Math	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
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Health & PE	Health/PE 8	Health/PE 9	Health/PE 10		
World Language	World Language I through AP				
Per. Fin./Econ			Economics & Personal Finance		
Possible Additional Courses	Family & Consumer Science	Individual Development	AP Psychology		
			Psychology/ Sociology		
				Child Development & Parenting	Nutrition & Wellness
				DE Teachers for Tomorrow I	DE Teachers for Tomorrow II
				Early Childhood I	Early Childhood II
				Cosmetology I	Cosmetology II

Government and Public Administration/Law, Public Safety, Corrections, and Security

Summary of Pathway

Do you have a passion to provide a public service? Almost every career can be found within this field. Learners will be prepared to protect our country, represent our interests abroad, or pass and enforce laws. Learners may also be prepared to protect people from harm, crime, or national disasters. Both of these areas are projected for growth within the state and nationally. Government and Public Administration is projected to grow by 17%, and Law, Public Safety, Corrections, and Security are projected to grow by 8%. Courses that help to prepare students for this pathway include JROTC, Criminal Justice, and Social Science classes.

Certifications Earned

ASVAB

Postsecondary Options at Germanna Community College

- Associates of Arts and Sciences - Administration of Justice
- Associates of Applied Science - Administration of Justice; Fire Science
- Fire Science Certificate
- Career Studies Certificate - Administration of Justice; Legal Assistant; Paraprofessional Counseling

Sample Postsecondary Options at a 4-year University

- Bachelor of Arts - International Relations, Political Science, Homeland Security, and Emergency Preparedness
- Bachelor of Science - Public Policy and Administration, Criminal Justice, Environmental Studies, and Forensic Science

FUTURE CAREERS GROWTH PROJECTIONS

(Projections based on Regional Statistics)

Administrative Services Managers - 13%

Compliance Officers - 13%

Eligibility Interviewers for Government Programs - 11%

Court, Municipal, and License Clerks - 19%

Probation Officers and Correctional Treatment Specialists - 6%

Emergency Medical Technicians & Paramedics - 13%

Police, Fire, and Ambulance Dispatchers - 13%

First-Line Supervisors of Police and Detectives - 10%

Police and Sheriff's Patrol Officers - 11%

Security Guards - 7%

Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers - 14%

Protective Service Workers - 11%

Student Organizations

- FBLA
- SkillsUSA

Government and Public Administration/Law, Public Safety, Corrections, and Security Pathways

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
English	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	English 8	English 9	English 10	English 11	English 12
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				AP Calculus/ DE Calculus	AP Statistics
Science	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Physical Science	Environmental Science	Biology	Earth Science	Earth Science II
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	Hon World History I	AP Human Geography	AP World History II	AP US History	AP Government
Health & PE	Health/PE 8	Health/PE 9	Health/PE 10		
World Language	World Language I through AP				
Per. Fin./Econ			Economics & Personal Finance		
Possible Additional Courses		Latin American History/ African American History			
	Information Technology Fundamentals	Cybersecurity Fundamentals	Cybersecurity Networking Defense Operations	Advanced Cybersecurity Networking Defense Operations	
		JROTC I	JROTC II	JROTC III	JROTC IV
			AP Psychology/IB Psychology		
				Criminal Justice/ Sociology	

Health Sciences

Summary of Pathway

Do you want to make a difference by helping people or animals? The health science field provides many challenging educational and training opportunities within the high-skilled world of Health Science. Learners need a solid background in math, science, communications, and technical skills. This area is projected to grow 18% by 2026. Classes that can help students in this field are science, math, psychology, and technology classes. There is also an opportunity for a Medical Pathways course, Medical Assistant, Dental Assistant, Health Care Technician, and Veterinary Science programs at the Spotsylvania Career and Tech Center.

Certifications Earned

Dental Assisting National Board Radiation Certification
NHA: Certified Medical Administrative Assistant
NHA: Certified Clinical Medical Assistant

Postsecondary Options at Germanna Community College

- Associate of Arts & Sciences - General Studies and Pre-BSN Specialization
- Associate of Applied Sciences - Nursing, Licensed Practical Nursing for Advanced Standing, and Physical Therapist Assistant
- Certificates - Dental Assisting and/or Practical Nursing
- Career Studies Certificates - Allied Health Preparation, Healthcare Technician, Personal Training, Pharmacy Technician, Restorative Dental Function, Indirect Restorative Techniques. Expanded Functions Dental Assisting, and Surgical Scrub Nurse

Sample Postsecondary Options at a 4-year University

- Bachelor of Arts & Sciences - General Studies, Pre-BSN Specialization
- Bachelor of Applied Sciences - Nursing, Licensed Practical Nursing for Advanced Standing, Physical Therapist Assistant
- Certificates: Dental Assisting, Practical Nursing
- Career Studies Certificates - Allied Health Preparation, Healthcare Technician, Personal Training, Pharmacy Technician, Restorative Dental Function, Indirect Restorative Techniques, Expanded Functions Dental Assisting, and Surgical Scrub Nurse

FUTURE CAREER GROWTH PROJECTIONS
(Projections based on Regional Statistics)

Physician Assistants - 50%

Cardiovascular Techs - 20%

Radiologic Techs - 13%

EMTs - 18%

Medical Health Service Managers - 31%

Occupational Therapists - 40%

Physical Therapists - 38%

Family & General Practitioners - 24%

Registered Nurses - 19%

Veterinarians - 27%

Medical Assistant - 37%

Dental Assistant - 27%

Dentist - 26%

Nurse Practitioner - 47%

Home Health Aid - 44%

Physical Therapy Assistant - 60%

Student Organizations

- HOSA
- Science National Honor Societies (school specific)
- FFA
- Science National Honor Societies (school specific)

Health Sciences Pathways

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
English	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	English 8	English 9	English 10	English 11	English 12
	Hon English 8	Hon English 9	Hon English 10	Hon English 11	Hon English 12
				AP English Lang./Comp.	AP English Lit./Comp.
				DE College Composition	DE College Literature
Math	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Math 8	Algebra I	Geometry	AFDA	Algebra II
	Algebra I	Geometry	Hon Algebra II	Algebra II/ Hon Algebra II	Applied Math
	Geometry	Hon Algebra II	Math Analysis/ DE Pre-Calculus	DE Pre-Calculus Math Analysis	Math Analysis/ DE Pre-Calculus
				AP Calculus/ DE Calculus	AP Statistics
Science	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Physical Science	Environmental Science	Biology	Earth Science	Earth Science II
	Hon Physical Science	AP Environmental Science	Hon Biology	Chemistry	Physics/ AP Physics/ DE Physics
			AP Biology with Chemistry	AP Chemistry	Any Science
Social Studies	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	World History I	World Geography	World History II	US History	Government
	Hon World History I	AP Human Geography	AP World History II	AP US History	AP Government
Health & PE	Health/PE 8	Health/PE 9	Health/PE 10		
World Language	World Language I through AP				
Per. Fin./Econ			Economics & Personal Finance		
Possible Additional Courses			AP Psychology/IB Psychology	Human Anatomy	
				Biology II Seminar	
				AP Biology	
				Chemistry/AP Chemistry	Chemistry II
				AP Physics/ DE Physics	AP Physics II
				Medical Assistant I	Medical Assistant II
				Dental Assistant I	Dental Assistant II
				Veterinary Science I (DE)	Veterinary Science II (DE)
					DE Health Care Tech

Hospitality and Tourism/Marketing Pathways

Summary of Pathway

Do you like people? The hospitality and tourism/marketing industry is a fast-paced, active setting that includes restaurants, retail environments, hotels, and others. Spotsylvania has hundreds of businesses that employ people in these industries. It's one of the top career fields in our area and is expected to grow by 10% by 2026. The average entry-level salary in hospitality management is $40,109, and there are typically many opportunities for advancement in the field. Classes that prepare students for a career in this field include marketing, family and consumer sciences, and business management, along with Culinary, Hospitality, Tourism, and Recreation programs at the Career and Tech Center.

Certifications Earned

National Restaurant Association Pro-Start Certification
ServSafe Manager's Certifications
Customer Service Certification
Workplace Readiness

Postsecondary Options at Germanna Community College

- Associates of Arts and Sciences or Applied Sciences in Business Management
- Career Studies Certificate - Accounting, Business Core, Entrepreneurship, and Supervision

Sample Postsecondary Options at a 4-year University

- Bachelor of Business Administration - Marketing, Business Administration
- Bachelor of Science - Hospitality Management, Tourism and Events Management, and Sports and Recreation Management

FUTURE CAREER GROWTH PROJECTIONS
(Projections based on Regional Statistics)

Sales Manager - 12%

Public Relations Specialist - 14%

Realtors - 5%

Event Planners - 16%

Advertising Sales Agents - 15%

Market Research Analysts and Marketing Specialists - 32%

Cooks (Restaurant) - 16%

Bakers - 16%

Food Preparation Workers - 11%

Food Service Managers - 13%

Student Organizations

- SkillsUSA
- FCCLA
- Community Leaders of America
- DECA
- FBLA

Hospitality and Tourism/Marketing Pathways

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
English	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	English 8	English 9	English 10	English 11	English 12
	Hon English 8	Hon English 9	Hon English 10	Hon English 11	Hon English 12
				AP English Lang./Comp.	AP English Lit./Comp.
				DE College Composition	DE College Literature
Math	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Math 8	Algebra I	Geometry	AFDA	Algebra II
	Algebra I	Geometry	Hon Algebra II	Algebra II/ Hon Algebra II	Applied Math
	Geometry	Hon Algebra II	Math Analysis/ DE Pre-Calculus	DE Pre-Calculus Math Analysis	Math Analysis/ DE Pre-Calculus
				AP Calculus/ DE Calculus	AP Statistics
Science	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Physical Science	Environmental Science	Biology	Earth Science	Earth Science II
	Hon Physical Science	AP Environmental Science	Hon Biology	Chemistry	Physics/ AP Physics/ DE Physics
			AP Biology with Chemistry	AP Chemistry	Any Science
Social Studies	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	World History I	World Geography	World History II	US History	Government
	Hon World History I	AP Human Geography	AP World History II	AP US History	AP Government
Health & PE	Health/PE 8	Health/PE 9	Health/PE 10		
World Language	World Language I through AP				
Per. Fin./Econ			Economics & Personal Finance		
Possible Additional Courses	Family & Consumer Science II	Intro to Marketing	Fashion Marketing/ Sports Marketing	Marketing	Advanced Marketing
		Individual Development		Business Management	
		Intro to Culinary Arts	Culinary Arts I	Culinary Arts II/Baking & Pastry Specialization	
		Intro to Hospitality	Hospitality I	Hospitality II	Marketing Management

Information Technology and STEM

Summary of Pathway

Do you like to work behind the scenes? Information Technology (IT) careers involve the design, development, support, and management of hardware, software, multimedia and systems integration services. The IT industry is a dynamic and entrepreneurial working environment that has a revolutionary impact on the economy and society. This area is projected to grow by 13% by 2026. Classes offered that help students advance in this field are Cybersecurity, Computer Information Systems, Computer Systems Technology, and Computer Science.

Do you like to problem solve? Learners who pursue engineering will be involved in planning, managing, and providing scientific research and professional and technical services including laboratory and testing services and research and development services. Engineers will improve and update product designs to optimize their manufacturing processes. Additional engineers and technologists will be needed to improve or build new roads, bridges, water and pollution control systems, and other public facilities. Employment of engineers is projected to grow 4% from 2014 to 2024. Courses that help students advance in the field are Engineering Explorations and Studies and Technical Drawing and Design along with the opportunity to apply to the Drafting program at the Career and Tech Center.

Certifications Earned

COMP TIA 901 and 902 A+ Certification; Microsoft Office Specialist Word; Microsoft Office Specialist PowerPoint; Microsoft Office Specialist Excel; AutoCAD; Workplace Readiness; Inventor

Postsecondary Options at Germanna Community College

- Associate of Applied Sciences - Information System Technology - Information Management of Network Security, Information System Technology - Networking, and Technical Studies, and Industrial Maintenance Technology
- Associate of Science Engineering - Electrical Concentration, and Mechanical Concentration
- Career Studies Certificates - Advanced Networking (not needed if taken Computer Networking), Cybersecurity, E-Commerce, Industrial Maintenance Technology, Microcomputer Applications for Business and Networking, and Engineering Technology

Sample Postsecondary Options at a 4-year University

- Bachelor of Business Administration - Computer Information Systems
- Bachelor of Science - Information Systems, Aerospace Engineering Major, Civil and Environmental Engineering Major, Computer Engineering Major, Engineering Science and Mechanics, Computer Science, and Biomedical Engineering
- Bachelor of Arts - Computer Science
- Bachelor of Science in Commerce - Business Analytics Major, and Information Technology

FUTURE CAREERS GROWTH PROJECTIONS

(Projections based on Regional Statistics)

Computer and Information Systems Manager - 16%

Computer and Information Research Scientists - 11%

Database Administrators - 21%

Computer User Support Specialists - 15%

Information Security Analysts - 47%

Computer Network Architects - 18%

Architectural and Engineering Managers - 10%

Software Developers - 37%

Computer User Support Specialists - 15%

Network and Computer Systems Administrators - 13%

Civil Engineers - 10%

Aerospace Engineers - 13%

Mechanical Engineers - 12%

Student Organizations
- SkillsUSA
- FBLA
- TSA

Information Technology and STEM Pathways

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
English	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	English 8	English 9	English 10	English 11	English 12
	Hon English 8	Hon English 9	Hon English 10	Hon English 11	Hon English 12
				AP English Lang./Comp.	AP English Lit./Comp.
				DE College Composition	DE College Literature
Math	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Math 8	Algebra I	Geometry	AFDA	Algebra II
	Algebra I	Geometry	Hon Algebra II	Algebra II/ Hon Algebra II	Applied Math
	Geometry	Hon Algebra II	Math Analysis/ DE Pre-Calculus	DE Pre-Calculus Math Analysis	Math Analysis/ DE Pre-Calculus
				AP Calculus/ DE Calculus	AP Statistics
Science	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Physical Science	Environmental Science	Biology	Earth Science	Earth Science II
	Hon Physical Science	AP Environmental Science	Hon Biology	Chemistry	Physics/ AP Physics/ DE Physics
			AP Biology with Chemistry	AP Chemistry	Any Science
Social Studies	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	World History I	World Geography	World History II	US History	Government
	Hon World History I	AP Human Geography	AP World History II	AP US History	AP Government
Health & PE	Health/PE 8	Health/PE 9	Health/PE 10		
World Language	World Language I through AP				
Per. Fin./Econ			Economics & Personal Finance		
Possible Additional Courses	IT Fundamentals	MOS I	MOS II	DMWT I	DMWT II
		Cybersecurity Fundamentals	Cybersecurity Operations	Advanced Cybersecurity Operations	
		Cybersecurity Fundamentals	Computer Systems Technology I	Computer Systems Technology II	
		AP Computer Science Principles		Computer Math (C++)	AP Computer Science JAVA
		Engineering Explorations/Engineering Studies			

Manufacturing/Transportation, Distribution, and Logistics

Summary of Pathway

Are you ready to help prepare our nation's aging infrastructures such as bridges, buildings, and highways? Or are you ready to manage and move everything from people to products through a range of transportation? Students will learn a range of skills to help prepare them in manufacturing for production planning, production design, maintenance, and engineering. Students will learn logistics in all modes of transportation from the road to the sky. Both fields will continue to be in demand as older workers retire although statistics only show a 2% growth increase. Students have the opportunity to apply to take Welding, Auto Service, and Auto Collision at the Spotsylvania Career and Technical Center.

Certifications Earned

Automotive Service Excellence Student Examinations

Postsecondary Options at Germanna Community College

- Associate of Applied Science Technical Studies: Industrial Maintenance
- Career Studies Certificate - Automotive Diagnostician; Automotive Technician
- Industrial Maintenance Technology

Sample Postsecondary Options at a 4-year University

- Bachelor of Science - Manufacturing Engineering

**Automotive and Manufacturing Industries do not require a Bachelor's degree.

FUTURE CAREER GROWTH PROJECTIONS
(Projections based on Regional Statistics)

Automotive Body and Related Repairers - 12%

Automotive Service Technicians & Mechanics - 13%

Bus & Truck Mechanics and Diesel Engine Specialists - 11%

Mobile Heavy Equipment Mechanics, (except Engines) - 9%

Motorboat Mechanics and Service Technicians - 9%

Automotive and Watercraft Service Attendants - 21%

Cleaners of Vehicles and Equipment - 14%

Maintenance and Repair Workers, General - 11%

Helpers - Installation, Maintenance & Repair Workers - 17%

Student Organizations
- SkillsUSA
- TSA

Manufacturing, Transportation, Distribution, and Logistics Pathways

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
English	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	English 8	English 9	English 10	English 11	English 12
	Hon English 8	Hon English 9	Hon English 10	Hon English 11	Hon English 12
				AP English Lang./Comp.	AP English Lit./Comp.
				DE College Composition	DE College Literature
Math	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Math 8	Algebra I	Geometry	AFDA	Algebra II
	Algebra I	Geometry	Hon Algebra II	Algebra II/ Hon Algebra II	Applied Math
	Geometry	Hon Algebra II	Math Analysis/ DE Pre-Calculus	DE Pre-Calculus Math Analysis	Math Analysis/ DE Pre-Calculus
				AP Calculus/ DE Calculus	AP Statistics
Science	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Physical Science	Environmental Science	Biology	Earth Science	Earth Science II
	Hon Physical Science	AP Environmental Science	Hon Biology	Chemistry	Physics/AP Physics/ DE Physics
			AP Biology with Chemistry	AP Chemistry	Any Science
Social Studies	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	World History I	World Geography	World History II	US History	Government
	Hon World History I	AP Human Geography	AP World History II	AP US History	AP Government
Health & PE	Health/PE 8	Health/PE 9	Health/PE 10		
World Language	World Language I through AP				
Per. Fin./Econ			Economics & Personal Finance		
Possible Additional Courses	Tech Systems	Welding I	Welding II Auto Service I	Auto Service I Auto Service II	Auto Service II
	Information Technology Fundamentals	Manufacturing Tech	Construction Tech Auto Collision I	Auto Collision I Auto Collision II	Auto Collision II

GCC Early College Pathway

Summary of Pathway

Do you know you want to go to college for a bachelor's degree, master's degree, or doctoral degree? Are you looking to save money and possibly years of time preparing for your future? The Germanna Early College Pathway may be the right opportunity for you to make it happen.

Starting in 10th grade, students can begin a series of courses that can result in earning a high school diploma *and* an associate's degree from Germanna. Most of these courses are available at each high school. Dual Enrollment (DE) and Advanced Placement (AP) courses provide college credit while also meeting high school graduation requirements. DE courses require students to earn a 'C' or better and are guaranteed to count towards associate degree requirements at Germanna. AP courses have an end of course exam and students must earn a 3 or better (the best possible score is 5) on the AP exam to count towards the associate degree requirements at Germanna. Other colleges and universities may also award college credit for completing these courses, but each school determines what exam scores are required for college credit. This pathway has been developed in partnership with Germanna to ensure that all credits earned count towards both the high school diploma and the Germanna Associate's degree.

Some courses must be taken at the Germanna campus or online. Germanna requires all students to take a student development course, an introductory computer course, and a communications course. These classes equip students with the study habits and basic computer skills necessary for success in college. Germanna also requires a college-level health or physical education course to be taken on-campus during the summer between junior and senior year.

Earning an associate's degree at the same time as a high school diploma is a rigorous academic pathway. Make an appointment with your school counselor and follow up with a Germanna advisor to discuss your specific plan.

Early College Pathway - Associate's of Arts and Sciences

	8th Grade	9th Grade	10th Grade	11th Grade	12th Grade
English	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	English 8	English 9	English 10	AP English 11	AP English 12
	Hon English 8	Hon English 9	Hon English 10	DE English 11	DE English 12
Math	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Algebra I	Geometry	Hon Algebra II	Math Analysis/ DE Pre-Calculus	AP Calculus/ DE Calculus
	Geometry	Hon Algebra II	Math Analysis/ DE Pre-Calculus	AP Calculus/ DE Calculus	AP Calculus BC
					AP Statistics
Science	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	Physical Science	Environmental Science	Biology	AP Chemistry	AP Physics/ DE Physics
	Hon Physical Science	AP Environmental Science	Hon Biology	AP Biology	AP Chemistry
				AP Physics/ DE Physics	AP Biology
Social Studies	Choose One:	Choose One:	Choose One:	Choose One:	Choose One:
	World History I	World Geography	World History II	AP US History	AP Government
	Hon World History I	AP Human Geography	AP World History II		
Health & PE	Health/PE 8	Health/PE 9	Health/PE 10		
World Language	World Language I through AP				
Per. Fin./Econ			Economics & Personal Finance		
Possible additional courses				AP European History	AP Psychology
Required GCC Courses			SDV 100 - Student Development*	CST 100/110/126 - Communications*	GCC Humanities Elective
			College-level Health/ PE*	ITE 115 - Intro to Computer Apps & Concepts*	Social Science Elective

*Recommended summer course

Middle School Information

School Counseling Program and Services

The middle school years offer tremendous growth opportunities for students and their families. During this time of adolescence, students are seeking out their own identity, adjusting to more responsibilities, and are balancing increasing academic loads. Although typical 10 to 15-year-olds will act as if they want complete independence, they really do seek and respect parent/guardian opinions. It is highly recommended that middle school parents attend school events, meet the school counselor, talk with teachers, and learn more about the middle school program.

Each building employs professional school counselors who can help students and parents navigate concerns around these "middle years." Middle school counselors are instrumental in the academic success of students. They provide academic, career, and personal counseling designed to meet the unique developmental stage of middle level learners. Parents will find that school counselors utilize a variety of programs to engage all students including: classroom lessons, small group sessions, individual counseling, and parent workshops.

Family Life

The Family Life Program is designed to help students understand and adjust to the pressures of growing up. The program promotes a positive self-concept, develops communication and decision-making skills, helps students understand and cope with emotional growth and development, and promotes positive family and social skills to say "no" to relationships or substances that can be physically and emotionally harmful. Information addresses the value of family relationships, mental health education and awareness, the value of postponing sexual activity, sexually-transmitted infections, substance use and abuse, human trafficking, and decision-making skills. The health and physical education teacher provides instruction on family life education during health class. Each school notifies parents prior to the beginning of family life instruction regarding the availability of the Family Life curriculum for review at each school and the option to exempt a student from specified activities. An opt-out form is available from the school.

Battlefield Middle School 786-4400

Chancellor Middle School 786-8099

Freedom Middle School 548-1030

Ni River Middle School 785-3990

Post Oak Middle School 582-7517

Spotsylvania Middle School 582-6341

Thornburg Middle School 582-7600

The focus of the middle school curriculum is to enable students to develop basic skills necessary for learning and the ability to apply those skills to new tasks. All courses are taught in accordance with locally developed curriculum guides and state-developed Standards of Learning objectives.

The Parent/Student Handbook provides information about the many opportunities for student participation in extracurricular activities. Opportunities for active participation in areas of interest are valuable for students at any grade level but are particularly important for middle school students.

Information about each school is available on the website at www.spotsylvania.k12.va.us.

6th Grade Course Descriptions

Standards of Learning objectives (SOL) developed by the Virginia Department of Education are the basis for the core academic curriculum in grades 6-8. Locally developed objectives in curriculum guides reflect, amplify, or exceed the objectives developed by the state. Required classes include: English, Mathematics, Science, History & Social Science, and Health & Physical Education.

Elective classes are determined by the school and may include: Band, Orchestra, Chorus, World Language Exploratory, or an Exploratory rotation. Exploratory rotation experiences are determined by the school and typically include Exploratory Art, Family and Consumer Science, Technology Education, Computer Solutions and Music Appreciation. Students who struggle with reading or math fundamentals may also receive additional support as an elective based on the needs of the student.

Core Classes

English 6   Course #1109
This course will emphasize the application and refinement of reading comprehension strategies focusing on developing and analyzing effective communication skills in presentations and small group discussions. In addition, students will study and develop vocabulary, understand the basic elements of media literacy, build research skills, and utilize technology as appropriate. Students will read, independently and in groups, a variety of fiction, narrative nonfiction, nonfiction, and poetry. Additionally, students will plan, draft, revise, and edit narratives, descriptive, expository, and persuasive writing with concentration on composing, written expression, and usage/mechanics.

United States History 6   Course #2354
This course is the continuation of United States history from the fifth grade. Students will study United States history from the end of the Civil War to present day. Focus will be placed upon the following: geographic influences; westward expansion; immigration; development of American cities; Progressive Movement; involvement in world affairs from the Spanish-American War to the Cold War; and the economic, social, and political transformation of the United States and the world between the end of World War II and the present.

Math 6   Course #3110
The Math 6 curriculum includes the prescribed Virginia Standards of Learning (SOL) as a minimum. The sixth grade curriculum places emphasis on the study of rational numbers to include integers, decimals, fractions and percents. Students will use ratios to compare data sets; identify and represent integers and their absolute value, use all four operations with rational numbers and integers; explore proportional relationships; focus on problem solving with area, perimeter, volume, and surface area; determine probability and use statistics; and investigate and solve practical problems involving equations and inequalities.

Pre-Algebra   Course #3122
Prerequisite: Division Placement Criteria
In the Pre-Algebra course, students review and extend concepts and skills from previous math courses and study new content to better prepare them for algebra and geometry. The Pre-Algebra curriculum places an emphasis on the study of linear relationships. Students will gain proficiency in computation with rational numbers and integers, use of proportions to solve a variety of problems, solving algebraic equations and inequalities, and representing functional relationships in a variety of ways. Other topics include problem solving with two and three dimensional figures, probability, and statistics.

Science 6   Course #4105
Sixth grade science builds on the scientific concepts, skills, and processes acquired in kindergarten through fifth grade. Students will experience the richness and excitement of scientific discovery and the natural world as they study the role of the sun's energy on the Earth's systems, air and atmosphere, human interactions as they affect watershed systems, and basic chemistry concepts. The concept of change is explored through the study of transformations of energy and matter. A more detailed understanding of the

solar system and space exploration takes students on a collaborative quest for knowledge and understanding. Emphasis is placed on development and use of an experimental design in scientific inquiry, use of the language of science to communicate understanding, and investigation of phenomena using technology.

Health & Physical Education 6 — Course #7110

Students in middle school Physical Education will develop fundamental skills and build them into more skilled movements as they progress through eighth grade. In all grades, students will focus on cooperative and competitive games, dance, and lifetime activities as appropriate for their development. Through these activities, students will gain knowledge in rules, decision making, conflict resolution, appropriate etiquette, and respect for others. Students will focus on personal wellness and goal setting as it relates to their cardiorespiratory endurance, muscular strength endurance, flexibility, and body composition. In Health, students will cover a variety of topics relating to body systems, nutrition, first aid, safety, alcohol, tobacco, drugs, family life, and disease.

📖✏️ Elective Classes

Family & Consumer Sciences I — Course #8261

Family and Consumer Sciences Exploratory I prepares students for the demands of 21st century living. This course provides a foundation for managing individual, family, career, and community roles and responsibilites. Students focus on areas of individual growth, goal setting, strengthening families, and awareness of personal safety and wellness. They also explore saving and spending practices, clothing care, food preparation, positive and caring relationships with others, and careers. Instruction emphasizes science, technology, engineering, and mathematics (STEM) concepts, when appropriate.

Technology Education 6 — Course #8481

Students will study the basic elements of all technology, including processes, energy, information, and people. They will relate the impact of technology on society, environment, and culture to future consequences and decisions. Students utilize the design process through hands-on projects such as 3D printing, flight models, egg drop, and more.

Computer Solutions — Course #6609

This course is designed for middle school students to develop and enhance touch skills for entering alphabetic, numeric, and symbol information on a keyboard. Students compose and produce personal, educational, and professional documents.

Music Appreciation — Course #6903

Students will gain knowledge of music through the exploration of concepts and skills. Students will analyze musical compositions, identify sound sources, demonstrate music reading skills, develop an understanding of the history of music, and identify career opportunities related to music. Through a variety of activities, the student will experience growth in musicianship and expanded aesthetic awareness.

Art Grade 6 — Course #9105

Students will develop their art skills, learn new studio habits, grow as artists, develop critical thinking skills, expand their creativity, and experiment with making art across a variety of mediums. This course reflects the students' concerns for realistic representation and their interest in contemporary issues. Note: Art Grade 6 is not a prerequisite for future art classes.

World Language Exploratory1 — Course #5700

Sixth grade World Language Exploratory is a language enrichment class that provides students with an overview of the culture and people who speak French, German, Latin, and Spanish. Topics for each language include: holidays, music, art, geography, literature, culinary exploration, activities, interests, and social conversation. World Language Exploratory will help students make an informed decision about the language they wish to pursue in seventh grade.

ESOL- English for Speakers of Other Languages — Course #7820E

The ESOL program will provide the English Learner (EL) student with the language skills necessary for academic success and to participate fully in the total school program. The course will emphasize the application of the WIDA English Language Development Standards to content knowledge and skills.

Band I — Course #9230

Band I develops students' basic instrumental skills. These skills will provide a solid foundation upon which students will build as they advance to the intermediate level. Through classroom performance, students will learn the mechanics of proper sound production, attain knowledge of rhythm and rhythm patterns, and begin developing the social skills necessary to function successfully in a group situation. Students supply their own instruments.

Orchestra I — Course #9235

This full-year course will focus on how to play a string instrument (violin, viola, cello, and string bass). Students learn how to read and write music, experience music history, musical style, ensemble performance, bowing technique, instrument care, tone production, and

conducting patterns. Daily at-home practice is necessary for student success. Students must furnish own violin, viola, cello, or bass, with larger instruments provided for in-school use. Students who select this class are required to play all music in concerts.

Chorus I   Course #9269

Chorus I is offered to students who wish to develop their knowledge, understanding, and appreciation of vocal music. It offers students the opportunity to improve their vocal technique and skills in musicianship, to develop an understanding and appreciation for vocal music, and to participate in concerts. The selection of music for study and performance may be based upon a variety of styles and/or periods of music history and provides a variety of vocal experiences.

7th Grade Course Descriptions

Students in 7th grade engage core instruction in English, Math, Civics & Economics, Life Science, and Health & Physical Education. Elective opportunities available to 7th graders include: Art, Technology Education, Family and Consumer Sciences, Digital Technology Foundations, Hands on Music, and Chorus. Students who began music instruction in 6th grade can continue in Band or Orchestra. Although participation in 6th grade orchestra is expected as a prerequisite for the 7th grade courses, some students who take lessons or practice on their own are able to participate. Please see your music teacher for details if this interests you.

Students in 7th grade may also earn a high school credit in Algebra I and/or world language courses. Students who have successfully completed Pre-Algebra in 6th grade are eligible for Algebra I. All students are eligible to take a world language. World language courses are a requirement for the advanced diploma and can also lead to the Seal of Academic Excellence and the Virginia Seal of Biliteracy. Grades earned in high school credit courses will count toward a student's high school grade point average.

📖✍️ Core Classes

English 7 — Course #1120
This course is designed to expand the study of literature, writing, research, oral communication, and media literacy. Students will continue to learn and expand the use of reading comprehension strategies as well as research skills. They will also enhance their literacy skills by developing more advanced vocabulary and reading a variety of fiction, nonfiction, and poetry. Students will continue to develop oral communication skills independently and in small groups, as well as advance their knowledge of persuasive techniques used in the media. Students will plan, draft, revise, and edit expository, narrative, and persuasive pieces with attention to composition, written expression, and usage/mechanics.

Civics & Economics 7 — Course #2357
Civics is the study of the structure and functions of the United States government at the national, state, and local levels. Focus will be placed upon the founding documents, principles and structure of American constitutional government, rights and responsibilities of American citizenship, political processes, three branches of government, and the linkage of institutions influencing government. Students will also explore an introduction to economic principles and the American economic system.

Math 7 — Course #3111
The Math 7 curriculum includes the prescribed Virginia Standards of Learning (SOL) as a minimum. The seventh grade curriculum places emphasis on algebraic foundations and proportional reasoning. Students will use order of operations to evaluate numeric and algebraic expressions, apply properties of real numbers, solve linear equations and inequalities, work with consumer application programs, work with rational numbers in a variety of ways, solve problems involving two and three dimensional figures, probability, and statistics, perform statistical analysis, and analyze situations involving probability.

Pre-Algebra — Course #3122
Prerequisite: Division Placement Criteria
In the Pre-Algebra course, students review and extend concepts and skills from previous math courses and study new content to better prepare them for algebra and geometry. The Pre-Algebra curriculum places an emphasis on the study of linear relationships. Students will gain proficiency in computation with rational numbers and integers, use of proportions to solve a variety of problems, solving algebraic equations and inequalities, and representing functional relationships in a variety of ways. Other topics include problem solving with two and three dimensional figures, probability, and statistics.

Algebra I — Course #3130
Prerequisite: Pre-Algebra
Credit: 1 Unit of High School Credit
Algebra I is a study of the real number system and its properties. Students will study the solution of linear and quadratic equations, linear inequalities, systems of equations, polynomials, graphing, and data analysis. Tables and graphs will be used to interpret algebraic expressions, equations, and inequalities and to analyze functions. Appropriate technology (graphing calculators and spreadsheets) will be used as tools to assist in problem solving. Students enrolled in this course will take the Algebra I SOL.

Life Science — Course #4115
The living world is emphasized by studying change, life cycles, patterns, and relationships. Students gain an understanding of these principles through the following: the study of cellular organization, the classification of

organisms, the relationship among organisms, populations, communities and ecosystems, and change due to the transmission of genetic information from generation to generation. Students will continue to build scientific reasoning; logic, and an understanding of the nature of science by planning and conducting investigations, manipulating variables, and identifying sources of experimental error.

Health & Physical Education   Course #7120

Students in middle school Physical Education will learn fundamental skills and develop them into more skilled movements as they progress through eighth grade. In all grades, students will focus on cooperative and competitive games, dance, and lifetime activities as appropriate for their development. Through these activities, students will gain knowledge in rules, decision making, conflict resolution, appropriate etiquette, and respect for others. Students will focus on personal wellness and goal setting as it relates to their cardiorespiratory endurance, muscular strength and endurance, flexibility, and body composition. In Health, students will cover a variety of topics relating to body systems, nutrition, first aid, safety, alcohol, tobacco, drugs, family life, and disease.

📖✍ Elective Classes

Digital Technology Foundations   Course #6160

This foundation course introduces the use of relevant and emerging technologies, tools, and applications to prepare students for current workplace practices and everyday life. Students will demonstrate information processing using a variety of hardware and software and Internet-based tools to produce and integrate data in various formats. This course is designed for students wishing to progress through more advanced business and information technology coursework. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. High-quality work-based learning (HQWBL) will provide experiential learning opportunities related to students' career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations.

Family & Consumer Sciences II   Course #8263

Family and Consumer Sciences Exploratory II emphasizes personal responsibility for the demands of multiple life roles through hands-on, project-based instruction. Students focus on individual development; maintain their personal environments; apply nutrition and wellness practices; manage consumer and family resources; create textile; fashion and apparel products; and explore careers related to

Family and Consumer Sciences such as child care. Instruction in this course emphasizes science, technology, engineering and mathematics (STEM) concepts, where appropriate.

Technology Education 7   Course #8464

Students will gain insights into the underlying fundamentals of technology through project-based learning. Students will also explore contemporary technological problems and invent new products or innovations as solutions. Students will utilize the design process through hands-on projects such as racers, rockets, structures, 3D design, and more.

Art Grade 7   Course #9106

During this course, students will develop their art skills, learn new studio habits, grow as artists, develop critical thinking skills, expand their creativity, and experiment with making art across a variety of mediums. Students may opt to develop a portfolio for Art Grade 8.

Hands-On Music 7   Course #9211

This is a semester class in which students will gain knowledge of music through the exploration of concepts and practicing skills. Students will analyze musical compositions, identify sound sources, demonstrate music reading skills, develop an understanding of the history of music, and identify career opportunities related to music. Through a variety of activities, students will experience growth in musicianship and expanded aesthetic awareness.

Reading Improvement 7   Course #1187

Reading Improvement is designed to strengthen reading fluency and comprehension. Students are assigned based on need as demonstrated by classroom performance as well as diagnostic and achievement testing. Reading Improvement is taken in place of an elective subject.

Algebra Readiness 7   Course #3127

Students must pass Algebra I and the Algebra I SOL End-Of-Course test to earn a Standard Diploma from a high school in Virginia. The Algebra Readiness Program is designed to provide mathematics intervention to students who are at risk of failing the Algebra I SOL End-of-Course test, as demonstrated by individual performance on diagnostic tests approved by the Department of Education. Teachers will individualize math instruction for students and provide the assistance needed to be successful in Algebra I. Only students who are performing below average in their current mathematics course and/or did not pass the Standards of Learning Mathematics assessment will be required to take a state-approved diagnostic test. Those students who are not successful on the diagnostic test will be required to enroll in the Algebra Readiness Program for a minimum of one quarter in place of an exploratory or elective class.

ESOL - English for Speakers of Other Languages
Course #7820E
The ESOL program will provide the English Learner (EL) student with the language skills necessary for academic success and to participate fully in the total school program. The course will emphasize the application of the WIDA English Language Development Standards to content knowledge and skills.

Band II   Course #9231
Prerequisite: Band I
This course focuses on the refinement and extension of skills introduced at the beginning band level to provide a solid foundation upon which to build and continue to the next level. Students will refine the mechanics of proper sound production, acquire knowledge of more difficult rhythms and rhythm patterns, and further develop the social skills necessary to function successfully in a group situation. Students supply their own instruments.

Orchestra II   Course #9236
Prerequisite: Orchestra I or director recommendation
This full-year course is a continuation of Orchestra I. Students will continue the mastery of string technique and ensemble performance. Students will perform more advanced repertoire. Daily at-home practice is necessary for student success. There will be additional performance opportunities such as All-County Orchestra and Regional Orchestra auditions. Students furnish their own violin, viola, cello, or bass, with larger instruments provided for in-school use. Students who select this class are required to play all music and participate in concerts.

Chorus II   Course #9270
Chorus II is offered to students who wish to expand their knowledge, understanding, and appreciation of vocal music. It offers students the opportunity to improve their vocal technique and skills in musicianship, to develop an understanding and appreciation for vocal music, and to participate in concerts. The selection of music for study and performance may be based upon a variety of styles and/or periods of music history and provides a variety of vocal experiences.

Spanish I   Course #5510
Credit: 1 Unit of High School Credit
Students will begin the development of communicative skills in Spanish. The emphasis will be on interpretive, interpersonal, and presentational communication, as well as beginning to develop intercultural communication skills by investigating products and practices and interacting appropriately in language and behavior. Students will progress toward the novice-mid to novice-high proficiency level.

French I   Course #5110
Credit: 1 Unit of High School Credit
The emphasis will be on interpretive, interpersonal, and presentational communication, as well as beginning to develop intercultural communication skills by investigating products and practices and interacting appropriately in language and behavior. Students will progress toward the novice-mid to novice-high proficiency level. Students will begin the development of all communicative skills in French.

German I   Course #5210
Credit: 1 Unit of High School Credit
Students will begin the development of all communicative skills in German. The emphasis will be on interpretive, interpersonal, and presentational communication, as well as beginning to develop intercultural communication skills by investigating products and practices and interacting appropriately in language and behavior. Students will progress toward the novice-mid to novice-high proficiency level.

Latin I   Course #5310
Credit: 1 Unit of High School Credit
Students will begin the development of communication skills in Latin with an emphasis on interpretive reading skills by reading level-appropriate texts. Students will begin to develop an intercultural competence by using Latin to investigate cultural products and practices of the Romans.

8th Grade Course Descriptions

Algebra I, Geometry, Information Technology Fundamentals, Nutrition and Wellness and World Language are offered to middle school students for high school units of credit. Each course fulfills high school requirements and counts as a unit of credit toward high school graduation. A verified unit of credit for Algebra I and Geometry can be earned toward high school graduation by passing the course and passing the Standards of Learning (SOL) End-of-Course test. Grades earned will count in the computation of the high school grade point average and class rank. Students are encouraged to take challenging course work while in middle school. Based on State Board of Education policy, a student who completes a high school course while in middle school may have the credit and grade removed from the student's permanent record. This procedure is recommended if the student has not shown strong academic performance and needs to take the course again to gain mastery of the content.

Middle school students enrolled in high school credit courses will receive information about the policy and procedures. All requests to remove the high school credit and grade must be in writing and completed by the deadline indicated on the letter.

Core Classes

English 8   Course #1120
Students will continue to learn and expand the use of reading comprehension strategies. Oral communication skills, including interviewing techniques, will be applied in this course. In addition, students will analyze, develop, and produce creative and informational media messages. Students will apply knowledge of vocabulary and figurative language in texts, and will continue the study of literary elements, including theme, main idea, cause-effect relationships, and inferencing in a variety of literary and informational selections. English 8 students will take the Virginia Standards of Learning tests in both Reading and Writing.

Honors English 8   Course #1120AD
Students will delve more deeply into literature to search for complex themes and relationships and to support their assertions with textual references. Instruction will include reading comprehension with an emphasis on paired passages, writing in expository, persuasive, narrative, and informational modes, language conventions, vocabulary development in meaningful contexts, and research skills. Honors English 8 students will take the Virginia Standards of Learning tests in Reading and Writing.

Health & Physical Education 8   Course #7200
Students will focus on cooperative and competitive games, dance, and lifetime activities as appropriate for their development. Through these activities, students will gain knowledge in rules, decision making, conflict resolution, appropriate etiquette, and respect for others. Students will focus on personal wellness and goal setting as it relates to their cardiorespiratory endurance, muscular strength and endurance, flexibility, and body composition. In Health, students will cover a variety of topics relating to body systems, nutrition, first aid, safety, alcohol, tobacco, drugs, family life, and disease.

World History I   Course #2215
This course will cover the historical development of people, places, and patterns of life from ancient times until 1500 A.D. (C.E.). Areas of study will include the following: the early development of humankind from the Paleolithic Era to the revolution of agriculture, ancient river civilizations, early Greece, ancient Rome, conflict between the Muslim world and Christendom, Byzantine Empire, Russia, Europe, Asia, Africa, and the Americas.

Honors World History I   Course #2215AD
In the honors course, students will follow a systematic approach to the development of their writing skills while completing all the content of the World History I 8th grade course. Students should expect homework (reading, writing, studying) every night. Students will take reading quizzes during the course of the year, and students will complete short written responses to advanced level questions.

Math 8   Course #3112
Students will gain proficiency in computation with rational numbers, identifying relationships of rational numbers, the use of proportions to solve a variety of problems, solving multi-step algebraic equations and inequalities, and representing functional relationships in a variety of ways. Other topics the course will include plane geometry (including Pythagorean Theorem and transformations),

solid geometry (including problem-solving with surface area and volume), probability, and statistics. Students enrolled in this class take the Math 8 SOL.

Algebra I   Course #3130
Prerequisite: Pre-Algebra
Credit: 1 Unit of High School Credit
Algebra I is a study of the real number system and its properties. Students will study the solution of linear and quadratic equations, linear inequalities, systems of equations, polynomials, graphing, and data analysis. Tables and graphs will be used to interpret algebraic expressions, equations, and inequalities and to analyze functions. Appropriate technology (graphing calculators and spreadsheets) will be used as tools to assist in problem solving. Students enrolled in this class will take the Algebra I SOL.

Geometry   Course #3143
Prerequisite: Algebra I
Credit: 1 Unit of High School Credit
Geometry is offered to students who have successfully completed the standards for Algebra I. In this course, students will study angle relationships, parallel lines, polygons, symmetry, circles, and constructions. Formulas for surface area and volume will be used to solve practical problems. Proofs will be approached intuitively and then formally as the student is prepared to analyze, synthesize, and reach conclusions. Students enrolled in this class will take the Geometry SOL.

Physical Science 8   Course #4125
Physical Science emphasizes the nature and structure of matter and the characteristics of energy. Areas of study include the periodic table; physical and chemical changes; nuclear reactions; temperature and heat; sound; light; electricity and magnetism; and work, force, and motion. Research and experimentation and the manipulation of variables to validate conclusions will also be part of the class. Students will share their work through written and oral presentations. Students take the Standards of Learning test for Grade 8 Science.

Honors Physical Science 8   Course #4125AD
The course will incorporate technology, community resources, laboratory experimentation, and problem-based learning activities designed to foster critical thinking. This course will encourage student-directed, inquiry-based research and each student will conduct an approved research project. The course is recommended for highly motivated students with exceptional work and study habits and a high interest in science. Students will take the Standards of Learning test for Grade 8 Science.

📖✎ Elective Offerings

Spanish I   Course #5510
Credit: 1 Unit of High School Credit
Students will begin the development of communicative skills in Spanish. The emphasis will be on interpretive, interpersonal, and presentational communication, as well as beginning to develop intercultural communication skills by investigating products and practices and interacting appropriately in language and behavior. Students will progress toward the novice-mid to novice-high proficiency level.

Spanish II   Course #5520
Prerequisite: Spanish I
Credit: 1 Unit of High School Credit
Students will progress toward the novice-high proficiency level and will continue to develop communicative skills in Spanish. The emphasis will be on interpretive, interpersonal, and presentational communication, as well as developing intercultural competency by investigating products and practices and interacting appropriately in language and behavior.

French I   Course #5110
Credit: 1 Unit of High School Credit
The emphasis will be on interpretive, interpersonal, and presentational communication, as well as beginning to develop intercultural communication skills by investigating products and practices and interacting appropriately in language and behavior. Students will progress toward the novice-mid to novice-high proficiency level. Students will begin the development of all communicative skills in French.

French 2   Course #5120
Prerequisite: French I
Credit: 1 Unit of High School Credit
The emphasis will be on interpretive, interpersonal, and presentational communication, as well as developing intercultural competency by investigating products and practices and interacting appropriately in language and behavior. Students will progress toward the novice-high proficiency level and will continue to develop communicative skills in French.

German I   Course #5210
Credit: 1 Unit of High School Credit
Students will begin the development of all communicative skills in German. The emphasis will be on interpretive, interpersonal, and presentational communication, as well as beginning to develop intercultural communication skills by investigating products and practices and interacting

appropriately in language and behavior. Students will progress toward the novice-mid to novice-high proficiency level.

German II   Course #5220

Prerequisite: German I
Credit: 1 Unit of High School Credit

Students will progress toward the novice-high proficiency level and will continue to develop communicative skills in German. The emphasis will be on interpretive, interpersonal, and presentational communication, as well as developing intercultural competency by investigating products and practices and interacting appropriately in language and behavior.

Latin I   Course # 5310

Credit: 1 Unit of High School Credit

Students will begin the development of communication skills in Latin with an emphasis on interpretive reading skills by reading level-appropriate texts. Students will begin to develop an intercultural competence by using Latin to investigate cultural products and practices of the Romans.

Latin II   Course #5320

Prerequisite: Latin I
Credit: 1 Unit of High School Credit

Students will continue to develop their communication skills with an emphasis on interpretive reading by reading more complex level appropriate texts. Students will continue to develop an intercultural competence by using Latin to investigate cultural products and practices of the Romans.

Information Technology Fundamentals (ITF)

Course #6670
Credit: 1 Unit of High School Credit

This course introduces students to a wide range of basic computer topics including: an introduction to the Microsoft Office package (MS Word, Access, PowerPoint and Excel), computer networking, maintenance and troubleshooting, computer hardware, internet research (including usage and safety), basic web page creation using html programming, fundamental technology skills, and exploration of career opportunities within the Information Technology field. This course is only offered to 8th grade middle school students.

Nutrition and Wellness   Course #8229

Credit: 1 Unit of High School Credit

This course will be an in-depth study of good nutrition and physical and mental wellness. Required laboratory experiences will focus on promoting wellness and good health, relating food choices to wellness, planning food choices, obtaining and storing food, preparing and serving food, and selecting and using appropriate equipment. All

students will participate in the co-curricular organization FCCLA.

Technology Education 8   Course #8463

Students will explore, design, analyze, and evaluate technological systems by simulating systems and assessing their impacts. Students will also explore occupational areas and technology-oriented careers. Students will utilize the design process through hands-on projects such as dream house design, CO2 cars, maglev racers, water rockets, and others.

Family and Consumer Sciences III   Course #8244

Family and Consumer Sciences Exploratory III is an advanced-level course that will prepare middle school students for their roles in families, careers, and communities through project-based instruction. Students will experience in-depth studies of nutrition and wellness, food preparation, relationships, personal environments, textiles, fashion and apparel, consumer resources, child development and care, and leadership service in action. Instruction in this course will emphasize science, technology, engineering, and mathematics (STEM) concepts.

Make It Your Business   Course #8144

Students design, establish, and operate a small group or class business, producing a service or product that meets an identified school or community need. Emphasis is placed on the introduction and application of business terminology, basic entrepreneurship concepts, and fundamental business principles. Basic academic skills (mathematics, science, English, and history/social science) are integrated into this course.

Art Grade 8   Course #9107

Art Grade 8 is offered to students who wish to expand their knowledge, understanding, and skill as a growing artist. Students will be asked to complete 2D and 3D projects that follow detailed steps. Techniques will be used to familiarize students with higher level art classes. Grading in this course will focus on aesthetic quality, project completion, and time management. Note: Students will be expected to keep a sketchbook.

Hands-On Music 8   Course #9213

Students will gain knowledge of music through the exploration of concepts and practicing skills. Students will analyze musical compositions, identify sound sources, demonstrate music reading skills, develop an understanding of the history of music, and identify career opportunities related to music.

Reading Improvement 8   Course #1188

Reading Improvement will strengthen reading fluency and comprehension. Students will be assigned based on need as demonstrated by classroom performance and diagnostic and achievement testing. Reading Improvement 8 will take the place of an elective subject.

Theatre Arts   Course #1395

Students will learn miming and facial expression as ways to use the body in acting. They will also learn vocal skills such as expressive reading and projection. Additionally, students will learn the vocabulary of theatre and the stage. The class will emphasize the utilization of imagination, quick thinking skills, teamwork, empathy, and introspection as a way to develop acting skills.

Algebra Readiness 8   Course #3128

This course will provide mathematics intervention services to students who are at risk of failing the Algebra I SOL End-of-Course test, as demonstrated by individual performance on diagnostic tests approved by the Department of Education. Teachers will individualize mathematics instruction and provide the assistance students need to be successful in Algebra I. Only students who are performing below average in their current mathematics course and/or did not pass the Standards of Learning Mathematics assessment will be required to take a state-approved diagnostic test.

ESOL English for Speakers of Other Languages
Course #7820E

The ESOL program will provide the English Learner (EL) student with the language skills necessary for academic success and to participate fully in the total school program. The course will emphasize the application of the WIDA English Language Development Standards to content knowledge and skills.

Band III   Course #9240

Prerequisite: Band II

Through classroom and public performance, the students will continue to refine the mechanics of proper sound production, acquire knowledge of more difficult rhythms and rhythm patterns, and further develop the social skills necessary to function successfully in a group situation. Students must supply their own instruments.

Orchestra III   Course #9246

Prerequisite: Orchestra II or director recommendation

Students will continue the mastery of string technique and ensemble performance through advanced technical etudes, scales, arpeggios, and age-appropriate repertoire. Daily at-home practice will be necessary for student success. There will be additional performance opportunities such as All-County Orchestra and Regional Orchestra. Students furnish their own violin, viola, cello, or bass, with larger instruments provided for in-school use. Students who select this class will be required to play all music and participate in concerts.
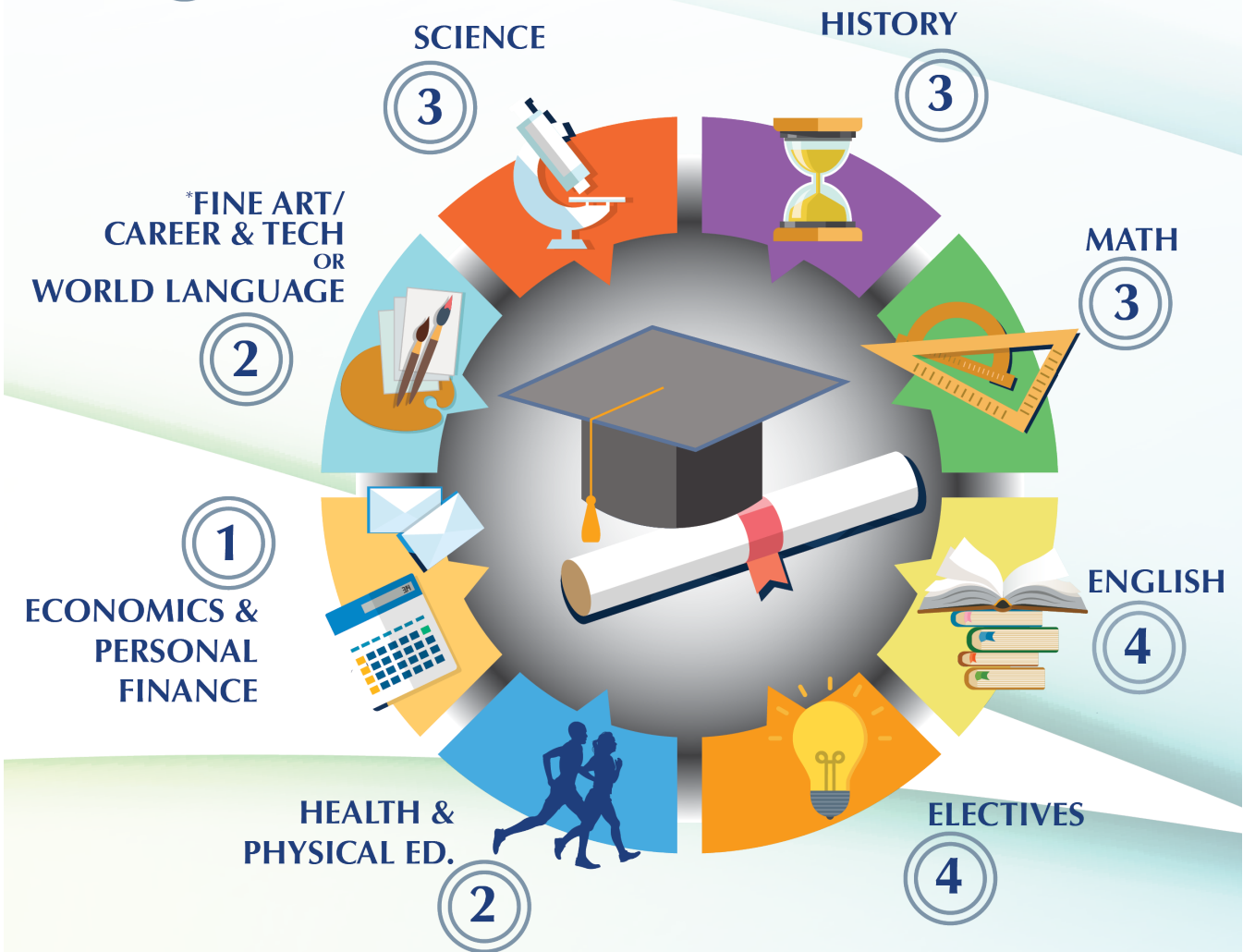
Chorus III   Course #9271

Chorus III will focus on the refinement of skills including the intensified study of diction, sound production, posture, phrasing, theory, sight singing, and rhythm. Chorus III will offer students the opportunity to improve their vocal technique and skills in musicianship, develop an understanding and appreciation for vocal music, and participate in concerts. The selection of music for study and performance may be based upon a variety of styles and/or periods of music history which will provide a variety of vocal experiences.

Graduation Information
Requirements for a Standard Diploma

GRADUATION REQUIREMENTS: Standard Diploma

22 Total Credits

SCIENCE **3**

HISTORY **3**

*FINE ART/ CAREER & TECH OR WORLD LANGUAGE **2**

MATH **3**

ECONOMICS & PERSONAL FINANCE **1**

ENGLISH **4**

HEALTH & PHYSICAL ED. **2**

ELECTIVES **4**

Students earn 5 verified credits by successfully completing specific courses and passing associated end-of-course SOL tests or other approved assessments.

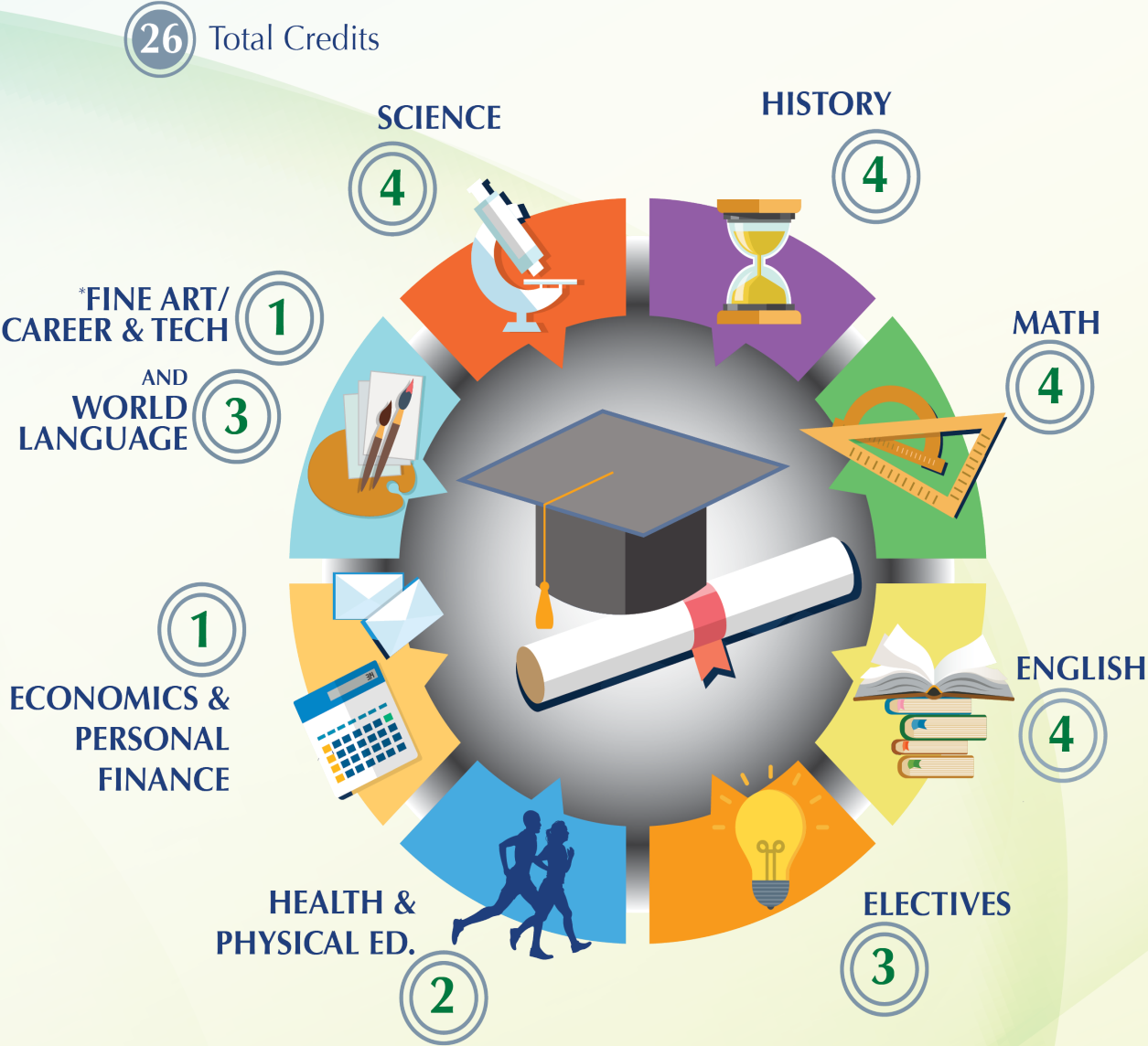* One credit in Fine or Performing Arts or CTE is required.

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Standard Diploma		
Subject	Standard Units of Credit Required	Verified Credits Required
English	4	2
Mathematics	3	1
Science	3	1
History/Social Science	3	1
Health & Physical Education	2	
World Language, Fine Arts or Career & Technical Education	2	
Economics & Personal Finance	1	
Electives	4	
TOTAL	**22**	**5**

Graduation Information
Requirements for an Advanced Studies Diploma

GRADUATION REQUIREMENTS: Advanced Studies Diploma

26 Total Credits

SCIENCE **4**

HISTORY **4**

*FINE ART/ CAREER & TECH **1**

AND WORLD LANGUAGE **3**

MATH **4**

ECONOMICS & PERSONAL FINANCE **1**

ENGLISH **4**

HEALTH & PHYSICAL ED. **2**

ELECTIVES **3**

Students earn 5 verified credits by successfully completing specific courses and passing associated end-of-course SOL tests or other approved assessments.

* *In addition to one credit in Fine or Performing Arts or CTE, three credits of one language or two credits of two languages are required.*

for more detailed information visit
doe.virginia.gov

Advanced Studies Diploma		
Subject	Standard Units of Credit Required	Verified Credits Required
English	4	2
Mathematics	4	1
Science	4	1
History/Social Science	4	1
World Language	3	
Health & Physical Education	2	
Fine Arts or Career & Technical Education	1	
Economics & Personal Finance	1	
Electives	3	
TOTAL	**26**	**5**