



James Wood High School

Rising 9th Grade Parent Information

School Counseling Staff

- Mrs. Zubi - Director
- Ms. Geisler
- Mr. Unger
- Mrs. Dawson
- Mrs. Carson
- Ms. Stautzenbach-Student Support Coach
- Mrs. Sarra-Career Coach
- Mrs. Mongan-Accountability Specialist
- Mrs. Hahn-Registrar
- Mrs. Keiter-Secretary

Verified Credit Requirements

The Advanced Studies Diploma and the Standard Diploma require a total of **5 Verified Credits (SOLS)** in the following areas:

- 1 Writing (11th grade)
- 1 Reading (11th grade)
- 1 Math
- 1 Science
- 1 Social Studies

Types of Diplomas

Advanced Studies Diploma

- English - 4 credits
- **Math - 4 credits**
- Social Studies - 4 credits
- **Science - 4 credits**
- Health/PE - 2 credits
- **World Language - 3 credits in one language OR 2 credits in two different languages**
- **Fine/performing or CTE - 1 credit**
- Econ/Finance - 1 credit
- **Total of 26 Credits**

Standard Diploma

- English - 4 credits
- **Math - 3 credits**
- Social Studies - 4 credits
- **Science - 3 credits**
- Health/PE - 2 credits
- **Fine arts, CTE or World Language - 2 sequential credits**
- Econ/Finance - 1 credit
- **Electives - 3 credits (in addition to the 2 sequential elective)**
- **Total of 22 Credits**

Additional Requirements for Graduation

- Complete an **Advanced Placement (AP) course** or **Honors course** OR earn a **CTE credential**
- Complete a Virtual Course - requirement is met through Economics/Personal Finance course
- Training in emergency first aid, CPR, and the use of AED - requirement is met through Health II/Driver's Education course
- Demonstration of the 5 C's - students shall acquire and demonstrate foundational skills in critical thinking, creative thinking, collaboration, communication, and citizenship.

Programs of Studies

Access the 2025-2026 Program of Studies on the James Wood High School website.

- Go to <http://JWH.frederick.k12.va.us>
- Click on the Learning tab
- Select Course Description
- Select 2025/2026 Programs of Studies

Honors/AP Classes

- Honors/AP/Dual Enrolled classes are designed for students who wish to accelerate their high school course of study to include courses that may be taken for college credit. Honors/AP/Dual Enrolled courses are ***faster paced*** classes that ***require in-depth analysis and synthesis of subject matter***. Students attempting an Honors/AP/Dual Enrolled class at the high school level should have ***strong study habits***.
- Honors/AP/Dual Enrolled classes are available to all students; however, parents and students should be aware of the nature of these courses and that inadequate preparation for Honors/AP/Dual Enrolled level course content may limit a student's success in the course. Students should be prepared to accept rigorous course requirements.



Dual Enrollment

What is **Dual Enrollment**?

- **Dual Enrollment** is a program which allows students to enroll in specific courses and earn high school and college credit simultaneously.
- At James Wood, **Dual Enrollment** credit is awarded through Laurel Ridge Community College (LRCC).

9th Grade Courses

Grade 9

- ❖ English 9
- ❖ World History/Geography I
- ❖ Math
- ❖ Science
- ❖ PE I/Health I
- ❖ World Language or Elective
- ❖ Elective
- ❖ SCOPE

9th Grade Requests - Required Courses

➤ **English** - *Select 1*

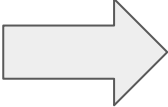
- English 9 **OR**
- Honors English 9

➤ **Social Studies** - *Select 1*

- World History/Geography I **OR**
- Honors World History/Geography I

9th Grade Requests - Required Courses

Math - *Select 1*

Math III  Algebra I

Algebra I  Geometry or Honors Geometry

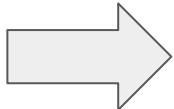
Geometry  Algebra II or Honors Algebra II

Honors Algebra II  PreCalculus or AP Precalculus

9th Grade Requests - Required Courses

Science - *Select 1*

Standard or Advanced Diploma  Environmental Science

Advanced Studies Diploma  Biology I or
Honors Biology I

Honors Biology I requires the completion of a Science Fair project.

9th Grade Requests - Required Courses

PE and Health - Both courses need to be selected.

➤ **Health I** - Select

➤ **PE** - *Select 1*

○ PE I **OR**

○ PE I Strength Concentration

Electives - World Language

- French
- Latin
- Spanish
- Spanish for Fluent Speakers
- **World Language is an academic elective. A solid grade in English 8 is suggested. It is required for an Advanced Diploma, NOT a Standard Diploma.**

Electives - Agriculture

Introduction to Plant Systems

- Covers
 - Landscape Design
 - Turf grass
 - Flower arranging
 - Greenhouse production

Introduction to Animal Systems

- Covers
 - Care and management of large animals
 - Reproduction and nutrition of specific species
 - Marketing of food animals

Electives - Agriculture

➤ Applied Agriculture Concepts

- Covers
 - Production, processing, preparation, and preservation of meats, fruits, and vegetables.
 - Food handling and safety parameters
 - Soils for gardening and establishing lawns
 - Carpentry , electricity, plumbing, masonry, metal working, project design, planning and landscaping
 - Practical learning and leadership experiences will be stressed in all aspects of this course.

Electives - Business and Marketing

Computer Information Systems I

- Introduction to Windows environment through the use of Microsoft Word, Excel, PowerPoint, and Access.

Cybersecurity Fundamentals

- Cybersecurity ethics, computer networks, cyber threats, and vulnerabilities
- Personal security, computer security, and internet/mobile security
- Cybersecurity careers

Electives- Business and Marketing

Principles of Business and Marketing

- Introduction to entrepreneurship, human resources, marketing strategies, communication, interpersonal relationships, and budgeting

Design, Multimedia and Web Technologies

- Using various applications, students will develop and incorporate multimedia elements into websites, video games and animations. Typical course topics are HTML 5 and CSS, Adobe, Photoshop, Gamemaker Studio and Scratch.

Electives-Business and Marketing

AP Computer Science Principles

- **This course is designed to be the equivalent of a first semester introductory college course. This course introduces students to the foundational concepts of computer science and explores the impact computing and technology have on our society.**

Electives - Family and Consumer Science

Independent Living

- Food safety/sanitation
- Nutrition and cooking (2 quarters)
- Career exploration
- Personal finance/budgeting
- Clothing care (sewing project)
- Interior design
- Renting vs buying a home

Introduction to Teaching

- Fosters students' interest, understanding, and appreciation of the teaching profession
- Introduction to careers in education
- Exploration of topics such as child development, safe and health environments for children, and developmentally appropriate practice that supports child development

Electives - Technology Education

- **Technical Drawing and Design**
 - Students learn the fundamentals of drafting, 3D modeling, model making, and architecture
- **Introduction to Graphic Design**
 - Students will explore computer and visual literacy, video production and typography. Introduction to basic animation and digital photography.

Electives - Art and Music

➤ **Art I**

- Topics include drawing, painting, ceramics, elements of paint and design, printmaking, and mixed media

➤ **Band**

- Concert, Marching Band (extracurricular and offered after school), Symphonic/Marching Band, Instrumental Ensemble, and Jazz Band (offered during Zero Period)

➤ **Choir**

- Treble Ensemble, Concert Choir,

Additional Electives

- **Education for Employment I (EFE I)**
 - This course is open for students who require individualized support and assistance in order to acquire employability skills.

Procedures for Making Changes to Course Requests

- **Please email Mrs. Carson if you want to change courses after you have reviewed the Verified Request Form. All change requests require parent permission.**

- **Changes can also be made after school starts within the first three weeks of school.**