



Millbrook High School Class of 2024

Rising 9th Grade Parent Meeting

School Counselors

- Mr. Joseph Neidrick - A - C
- Mrs. Kristi Unger, Director - D - Ga
- Mrs. Caitlin Snowden - Ge - Man
- Mrs. Krista Dodson - Mar - Rok
- Ms. Denise Robinson - Rol - Z



Types of Diplomas

- Advanced Studies Diploma
- Standard Diploma



Advanced Studies vs. Standard Diploma

- **26 Credits**

English - 4 credits

Social Studies - 4 credits

Math - 4 credits

Science - 4 credits

Health/PE - 2 credits

World Language - 3 credits in one language or 2 credits each in two different languages

Economics/ Finance – 1 credit

Fine/Performing or CTE - 1 credit

Electives - 3 credits

- **22 Credits**

English - 4 credits

Social Studies - 4 credits

Math - 3 credits

Science - 3 credits

Health/PE - 2 credits

World Language, Fine Arts, or CTE – 2 credits

Economics/ Finance – 1 credit

Electives - 3 credits (must include 2 sequential electives)



Course Credits vs. Verified Credits

- **Course Credits** - Passing a *course* will allow students to earn a credit.
- **Verified Credits** - Passing a course **AND** passing the SOL test in that course.



Verified Credit Requirements

The Advanced Studies Diploma and the Standard Diploma require a total of 5 verified credits from the following areas:

- 1 Reading
- 1 Writing
- 1 Math
- 1 Science
- 1 Social Studies



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.



Program of Studies

Access the **2020-2021 Program of Studies** on the Millbrook High School website.

- Go to <http://mhs.frederick.k12.va.us>
- Click on the Academics tab
- Select Program of Studies
- Select 2020-21 High School Course Offerings



Four-Year Plan

Grade 9	Grade 10	Grade 11	Grade 12
English 9	English 10	English 11	English 12
WH/Geog I	WH/Geog II	US History	US Government
Math	Math	Math	Math (elective)
Science	Science	Science	Science (elective)
PE I/Health I	Health II and Dr. Ed./PE II	Econ/Finance or Elective	Econ/Finance or Elective
World Language or Elective	World Language or Elective	World Language or Elective	Elective
Elective	Elective	Elective	Elective



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.



Course Registration at Middle Schools

- ABMS
 - Wednesday, January 29, 2020
- JWMS
 - Thursday, January 30, 2020



9th Grade Requests - Required Courses

English - *Select 1*

English 9

Honors English 9

Social Studies - *Select 1*

World History/Geography I

Honors World History/Geography I



9th Grade Requests - Required Courses

Math - *Select 1*

Algebra I

Geometry

Honors Geometry

Algebra II

Honors Algebra II



9th Grade Requests - Required Courses

Science - *Select 1*

Environmental Science

Biology I

Honors Biology I

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



9th Grade Requests - Required Courses

PE and Health - Select *BOTH*

PE I (1st Semester)

Health I (2nd Semester)



9th Grade Requests - Electives

Electives - *Select 2*

In addition, students will choose 2 alternate electives as backup options.



World Language

- French I and II
- Latin I
- Spanish I and II
- Spanish for Fluent Speakers I
- Spanish for Fluent Speakers II

World Language is an academic elective. A solid grade in English 8 is suggested. It is required for an Advanced Studies Diploma NOT a Standard Diploma.



Agriculture

- **Introduction to Animal Systems**

- Discuss

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

- **Introduction to Plant Systems**

- Discuss

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


Both of these classes have woodworking and metalworking projects.



Agriculture

■ Applied Agriculture Concepts

■ Discuss

- 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 and planning and landscaping
 - Practical learning and leadership experiences will be stressed in all aspects of this course.
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Business and Information Technology

- **Computer Information Systems I (CIS I)**
 - Introduction to Windows environment through the use of Microsoft Word, Excel, PowerPoint, and Access

- **Cybersecurity Fundamentals**
 - cybersecurity ethics, computer networks, cyber threats, vulnerabilities
 - personal security, computer security, internet/mobile security
 - cybersecurity careers



Marketing Education

- **Principles of Business and Marketing**
 - Introduction to entrepreneurship, human resources, marketing strategies, communication, interpersonal relationships, and budgeting.

- **Entrepreneurship Education**
 - Introduction to creating, owning, and launching a business.



Family and Consumer Science

- **Independent Living**
 - food safety/sanitation
 - nutrition and cooking (for 2 Quarters)
 - career exploration
 - personal finance/budgeting
 - clothing care (sewing project)
 - interior design
 - renting vs. buying a home



Family and Consumer Science

- **Introduction to Teaching**
 - An exploratory course that fosters student interest, understanding, and appreciation of the teaching profession.
 - An introduction to careers in early childhood, elementary, and secondary education.



Technology Education

- **Technical Drawing and Design**
 - Students learn the fundamentals of drafting, 3D modeling, model making, and architecture.
- **Communication Systems (Graphics Introduction)**
 - Introduction to graphic design, multimedia, visual and digital imaging
- **Electronic Systems I (prerequisite Algebra I or teacher recommendation)**
 - study theory and design of electronics, including analog and digital
- **Manufacturing Systems I**
 - STEM foundations class, production and assembly



Art and Music


■ Art I

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

■ Band

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

■ Choir

- Treble Ensemble, Advanced Women's Ensemble, Varsity Choir, and Route 7 Jazz Choir (offered during Zero Period)
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Additional Electives

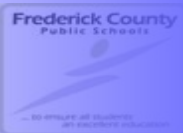
- **Education for Employment I (EFE I)**
 - This course is open for students who require individualized support and assistance in order to acquire employability skills.
- **AP Computer Science Principles**
 - Designed to be the equivalent of a first semester introductory college course.
- **AP Computer Science A (must have completed Algebra I)**
 - Taught according to the syllabus for Computer Science A available through the College Entrance Examination Board.
 - Topics include constructs, data types, functions, testing, debugging, algorithms, and data structures.



Procedures for Making Changes to Course Requests

- **A course request verification form will be mailed to you in February.**
- **Please wait to make changes until you receive the verification form in the mail.**
- **Make any necessary course changes on the verification form and return it to the MHS School Counseling Office. Your student's school counselor will then make the changes in Tyler SIS.**





MOUNTAIN ISTA

Governor's School for Science, Math & Technology

Dr. Judi Greathouse

Supervisor of Gifted Services and Libraries

***Serving the counties of Clarke, Culpeper,
Fauquier, Frederick, Rappahannock, and
Warren, and the City of Winchester***

Millbrook High School Department Chairs

We will now adjourn to the Library for visits with the MHS Department Chairs.

English - Mrs. Candace Henderson

Math - Mrs. Jessica Pecoraro

Science - Mrs. Stefanie Rucker

Social Studies - Mr. Garrett Hammer

ESL - Ms. Jackie Wilson

Special Education - Mrs. Betsy Packard

World Language - Mrs. Marcia Lingo

Agriculture - Mr. John Borst

Business/Marketing - Mrs. Carrie Laffoon

Family & Consumer Science - Ms. Betty Powers

Fine Arts - Mr. Brian Kelly

Technology - Mr. Cliff Campbell/Mr. Matt Brame

MVGS - Dr. Judi Greathouse

