MHS PPG Updates 2026-2027

This document represents pertinent revisions to the Methacton High School Program Planning Guide for 2026-2027. These will be presented to the Education Committee on Tuesday, January 6, 2026.

Graduation Requirements - Updated for the Class of 2030

Graduation Requirements - Class of 2030		Graduation Requirements - Class of 2027, 2028, 2029	
Subject Area	**Required Credits**	**Subject Area**	**Required Credits**
English	4	English	4
Social Studies	4	Social Studies	4
Math	3	Math	3
Science	3	Science	3
Personal Finance	.5	FCS/Finance	.25
STEM	1	STEM	1
Health	.25	Health	.25
Physical Education	1.5	Physical Education	1.5
Electives	4.5	Electives	4.5
Arts/Humanities	2.5	Arts/Humanities	2
TOTAL	**24.25**		**23.5**

MHS PPG Updates 2026-2027

This document represents pertinent revisions to the Methacton High School Program Planning Guide for 2026-2027. These will be presented to the Education Committee on Tuesday, January 6, 2026.

Math Progression - revision to Chart

MHS Math Progressions

This chart represents typical progression scenarios. ***School Counselors are available to provide individual support and planning****.*
See course description for specific prerequisite requirements for each course.

7th Grade	Learning Support Math 7(IEP)	Math 7			Honors Math 7		Honors Algebra I
8th Grade	Learning Support Math 8 (IEP)	Math 8			Algebra I Honors		Honors Geometry
9th Grade	DI Algebra 1A (IEP)	Algebra I Standards	Algebra I		Geometry	(H) Geometry	(H) Alg2/Trig
10th Grade	DI Algebra 1B (IEP)	Algebra I Secondary Concepts	Principles of Geometry	Geometry (>80%)	Algebra 2/Trig	(H) Algebra 2/Trig Algebra 2/Trig	(H)PreCalc
11th Grade	DI Algebra 2/Fundamentals of Geometry (IEP)	Algebra 2	Algebra 2	Algebra 2 Trig	Algebra 3/Trig Probability Pre Calculus AP Statistics	(H) PreCalculus PreCalculus AP Statistics Probability	AP Calculus AB AP Statistics
12th	DI	Principles	Algebra	Algebra	Algebra3/Trig	AP Calculus	AP Calculus BC

MHS PPG Updates 2026-2027

This document represents pertinent revisions to the Methacton High School Program Planning Guide for 2026-2027. These will be presented to the Education Committee on Tuesday, January 6, 2026.

Grade	Financial Algebra(IEP)	of Geometry Financial Algebra	3/Trig Statistics Data Science Financial Algebra	3/Trig Data Science Pre Calculus AP Statistics	Statistics PreCalculus Contemporary Calculus AP Statistics	AB AP Statistics Statistics Contemporary Calculus	AP Statistics

Math Course Updates

- Data Science (pilot spring 2026) - will be fully implemented in 2026-2027 as a 1.0 credit course. Trigonometry and Probability will not be offered.
- Cybersecurity (pilot spring 2026) - will be fully implemented in 2026-2027 as a .5 credit elective
- Applied Math - renamed **Financial Algebra**. This course is currently undergoing curricular revision (revised curriculum will be presented for Board approval in Spring 2026.)

Business Course Updates

- Advanced Personal Finance - renamed **Personal Financial Literacy**. This course fulfills graduation requirements for personal finance. The course is currently undergoing curricular revision to ensure alignment with revised Pennsylvania Academic Standards in this area (revised curriculum will be presented for Board approval in Spring 2026.)
    - As an FYI BVA will offer a summer course (at cost to families) in Personal Finance that will fulfill this requirement
- IncubatorEDU Entrepreneurship - we anticipate that this course will have a **dual enrollment** option through Ursinus College for 2026-2027.

English Course Updates

- **AP Research** will be offered as a course that can fulfill either grade 11 or grade 12 for English requirement
- **Media Literacy** - course description update

MHS PPG Updates 2026-2027

This document represents pertinent revisions to the Methacton High School Program Planning Guide for 2026-2027. These will be presented to the Education Committee on Tuesday, January 6, 2026.

Media literacy focuses on the ability to understand how media messages are constructed, what their purpose is, and how they can influence thoughts, beliefs, and actions. In this course, students learn how different types of media work (social media, news, television, etc.) and will ask critical questions about what they watch, listen to, and read. The focus is on skills such as searching the Internet effectively and how to verify sources for accuracy and credibility. By the end of the course, students will understand the messages behind the media they encounter and develop the skills necessary to combat misinformation (fake news) and critically evaluate information they see and hear every day.

Science

- DE Chemistry

DE CHE 121 GENERAL CHEMISTRY I (Montgomery County Comm. Coll. Course CHE 121)
4 college credits 1.2 High School Credits
Taught on-site at the High School
Seats are limited; enrollment in course is pending additional placement requirements by MCCC
College Fee Required ($230 25-26 yr)
Class meets 7 periods per cycle, all year

Adding: Students will take a placement exam in the Spring for this course. It is recommended that students earn 70% or above in this placement exam.

- **AP PHYSICS:**

Math Requirement (wording revision):Calculus (AP Calculus AB, AP Calculus BC, or Contemporary Calculus) (concurrent or completed)

- **Oceanography** - revised course description

This year-long course explores the ocean through Earth, Life, and Physical Sciences. Students begin by studying hurricanes, ocean currents, plate tectonics, and seafloor features. Next, students dive into Marine Biology, learning about ecosystems, plants and algae, invertebrates, and marine animals. Physics concepts are applied to topics like tides, waves, and how fish move through water. The year ends with a project where students research an ocean conservation issue and propose solutions. By the end of the course, students will have a deeper understanding of how the ocean works and why it matters.

MHS PPG Updates 2026-2027

This document represents pertinent revisions to the Methacton High School Program Planning Guide for 2026-2027. These will be presented to the Education Committee on Tuesday, January 6, 2026.

Technology Education

Provides opportunity for students to take 3D Modeling and Printing without pre-requisite in grades 11 and 12.

Course	Name	Grade	Periods	Sem/Yr	Credits	Requirements
0710	Introduction to Engineering Design	9-12	6	Sem	0.5	
0743	Engineering Design 1	10-12	6	Sem	0.5	3D Modeling & Printing
0750	Engineering Design 2	10-12	6	Sem	0.5	Engineering Design 1
0761	3D Modeling & Printing	9-12	6	Sem	0.5	75% or higher Intro to Engineering ***OR*** rising 11th or 12th grade student
0762	Architectural Design 1	10-12	6	Sem	0.5	75% or higher Intro to Engineering
0769	Architectural Design 2	10-12	6	Sem	0.5	75% or higher Intro to Engineering and Architectural Design 1