The Pennsylvania Department of Education requires one standardized assessment related to the math department.

At the end of Algebra IB, students take the Keystone Algebra exam.

Curriculum in Algebra IA and IB is aligned to eligible content for these exams and to the Pennsylvania Common Core State Standards.

Students who do not score proficient or advanced on the first administration will re-take the assessment near the end of their Algebra II course.

Demonstrating proficiency is a graduation requirement. More information is available here:
https://www.education.pa.gov/K-12/Assessment%20and%20Accountability/GraduationRequirements/Pages/default.aspx.

"Pure mathematics is, in its own way, the poetry of logical ideas."

Contact Information
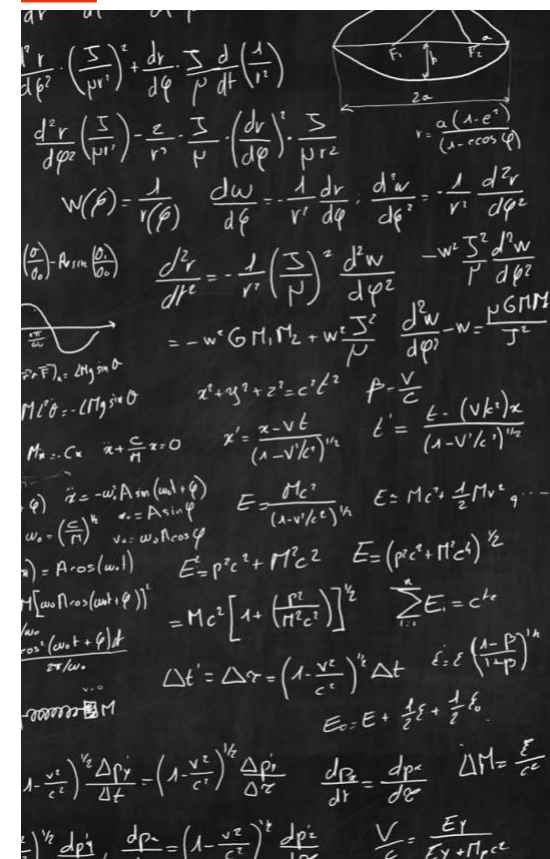??????name?????????
Secondary Math Coordinator
?????????_?????????@hempfieldsd.org
Katherine Deisley
Supervisor of Secondary Curriculum
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Hempfield Secondary Math Department

Math Electives

In addition to the required math courses, students may elect any of the following courses to broaden their math background:

- Statistics AP
- Introduction to Programming
- Computer Science Princples AP
- Computer Science AP
- Test Prep: SAT/ACT

AP Courses

AP courses are aligned to the College Board course requirements and provide students with the opportunity to take the Advanced Placement test at the end of the course to earn college credits through many universities. For more information go to http://apstudents.collegeboard.org

Math Department Requirements

To fulfill graduation requirements, students must complete four mathematics credits from the courses listed below. Common course sequences are below. With teacher recommendation, students may change levels to find the appropriate level of challenge.

Honors			
H3283 Honors Algebra 2	H3383 Honors Geometry	H3483 Honors Math Analysis	H3593A and/or B Calculus AB AP Calculus BC AP

College Prep - Advanced				
H3123B CP Advanced Algebra 1B	H3223 CP Advanced Algebra 2	H3323 CP Advanced Geometry	H3473 CP Pre-Calculus	H3573 CP Calculus

College Prep				
H3173A CP Algebra 1A	H3173B CP Algebra 1B	H3273 CP Algebra 2	H3373 CP Geometry	H3473A Algebra 3 Trig CP
				H3473 / H3573 Pre-calculus/ Calculus CP

College Prep - Applied			
H3163A CP Applied Algebra 1A	H3163B CP Applied Algebra 1B	H3263 CP Applied Algebra 2	H3363 Applied CP Geometry
			H3463 Stats, Logic, and Algorithms

Foundations			
H3053 Found. of Pre-Algebra	H3153 A Found. of Algebra 1A	H3153B Found. of Algebra 1 B	H3353 Found. of Geometry

Fundamentals
Placement in the fundamentals math sequence is based on the recommendation of the Secondary Special Education Supervisor and Secondary Math Coordinator