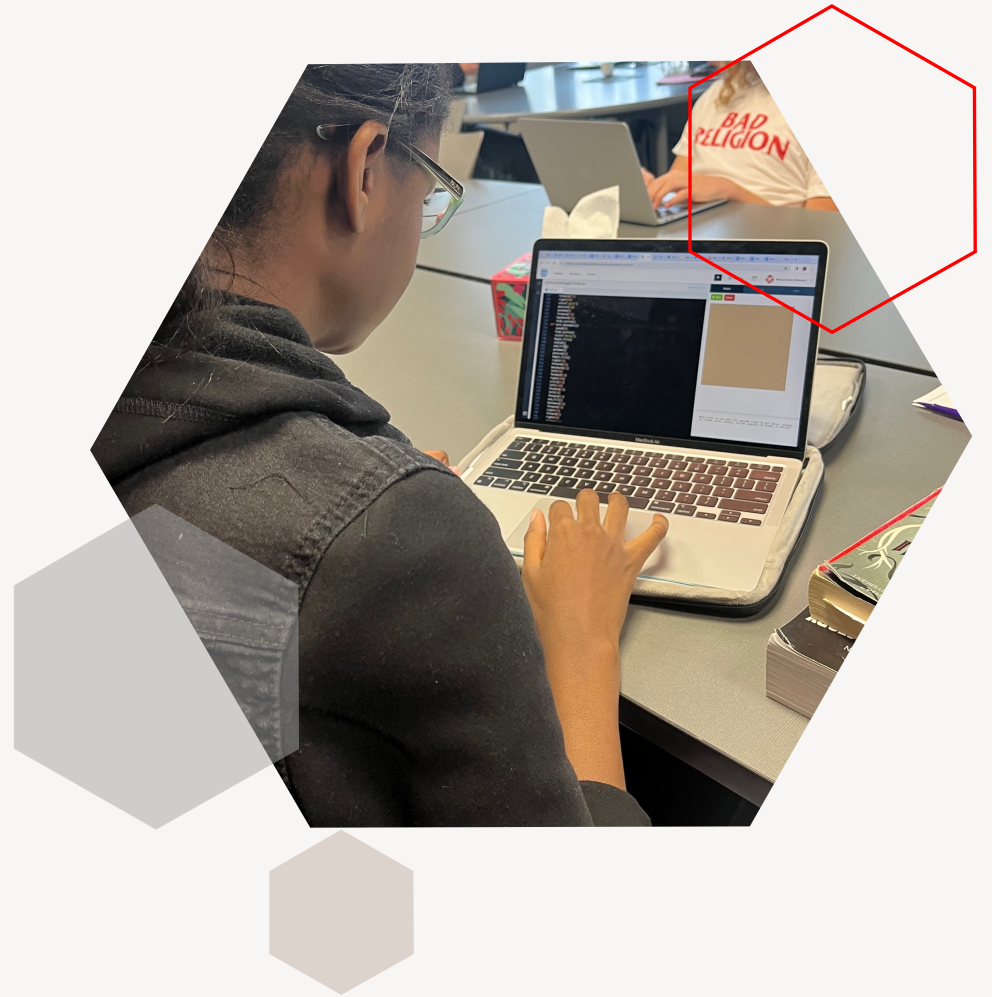


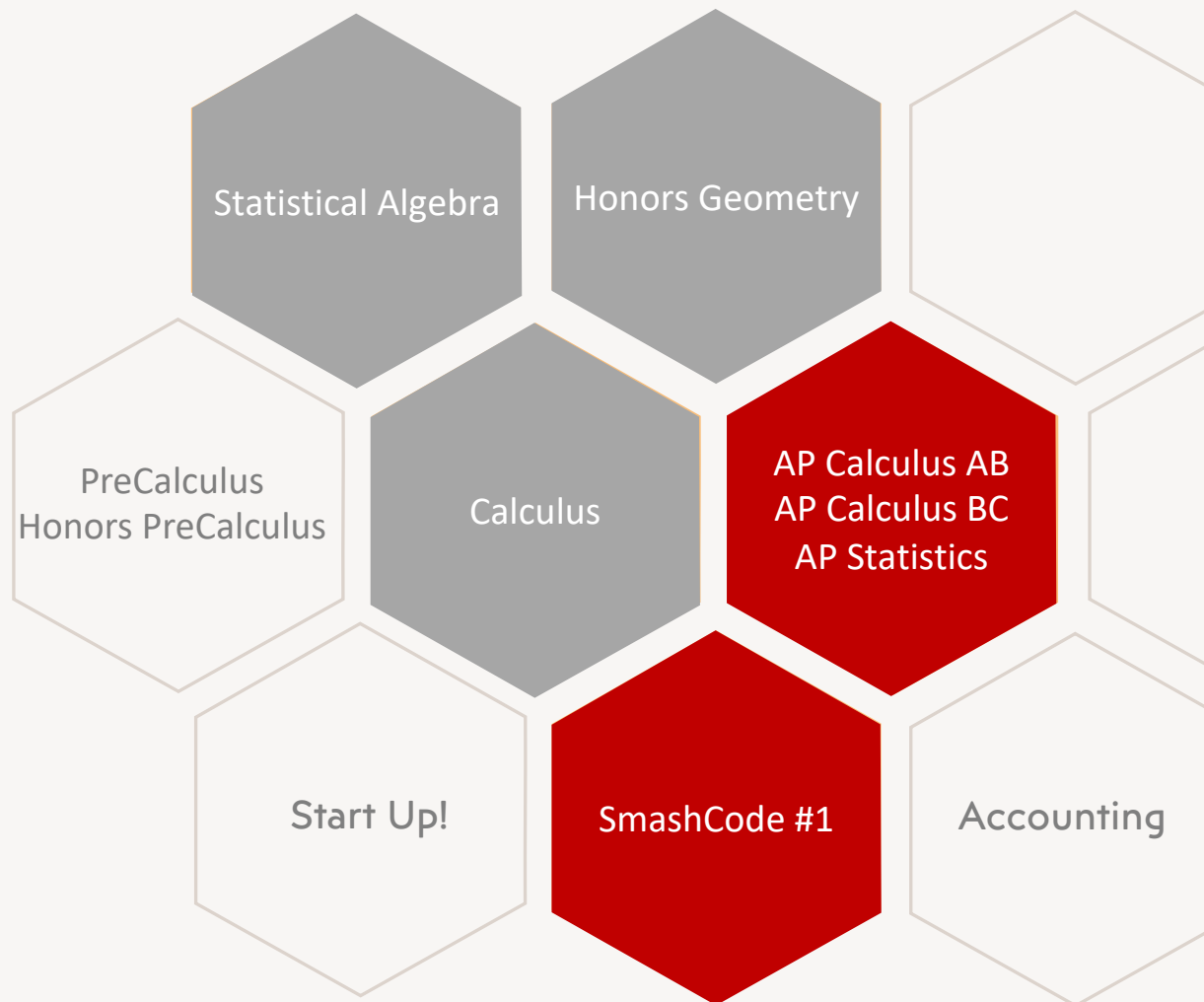
Curriculum Review Committee Meeting

January 18, 2024





Courses for Review



Curriculum Contributors

Jeff Gutjahr, KHS Math Department Chair
Ed Phillips, KHS Math Department
Kelly Puetz, KHS Math Department
Evan Thornberry, KHS Math Department
Emily Werner, KHS Math Department
Christina Nicoletti, NKMS Math Department
Matt Earnhart, Nipher Math Department

Colleen Rull, KHS Business Department Chair
Santee Nixon, KHS Business Department
Zach Kirk, KHS Business Department



How we got here



New Courses

- developed with an identified need or interest in mind



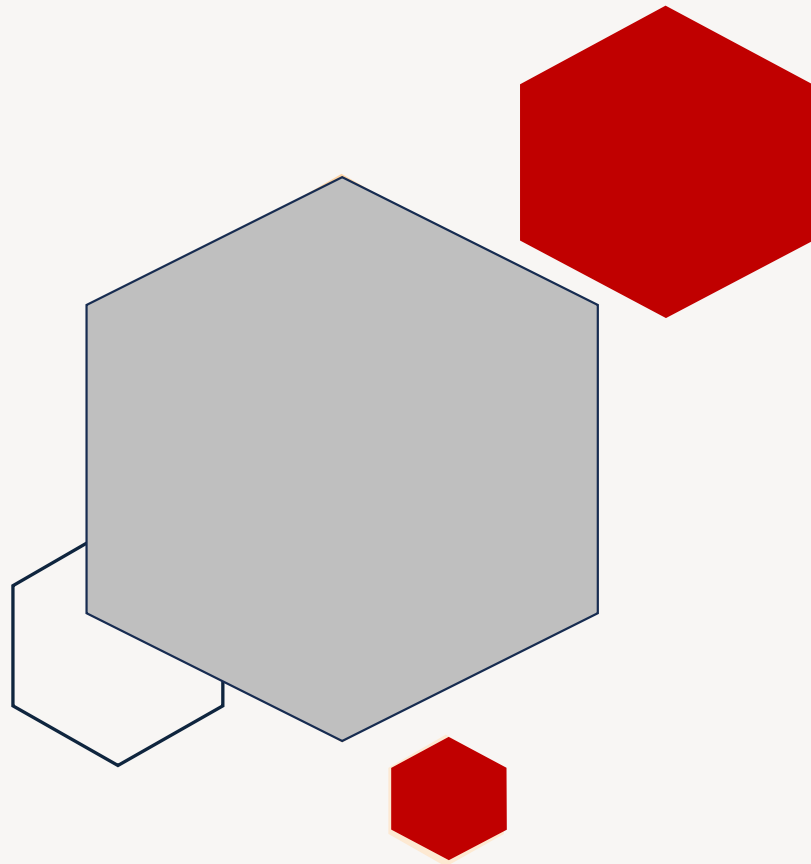
Course Revisions

- revised to include minor adjustments to units, scope and sequence



Documentation

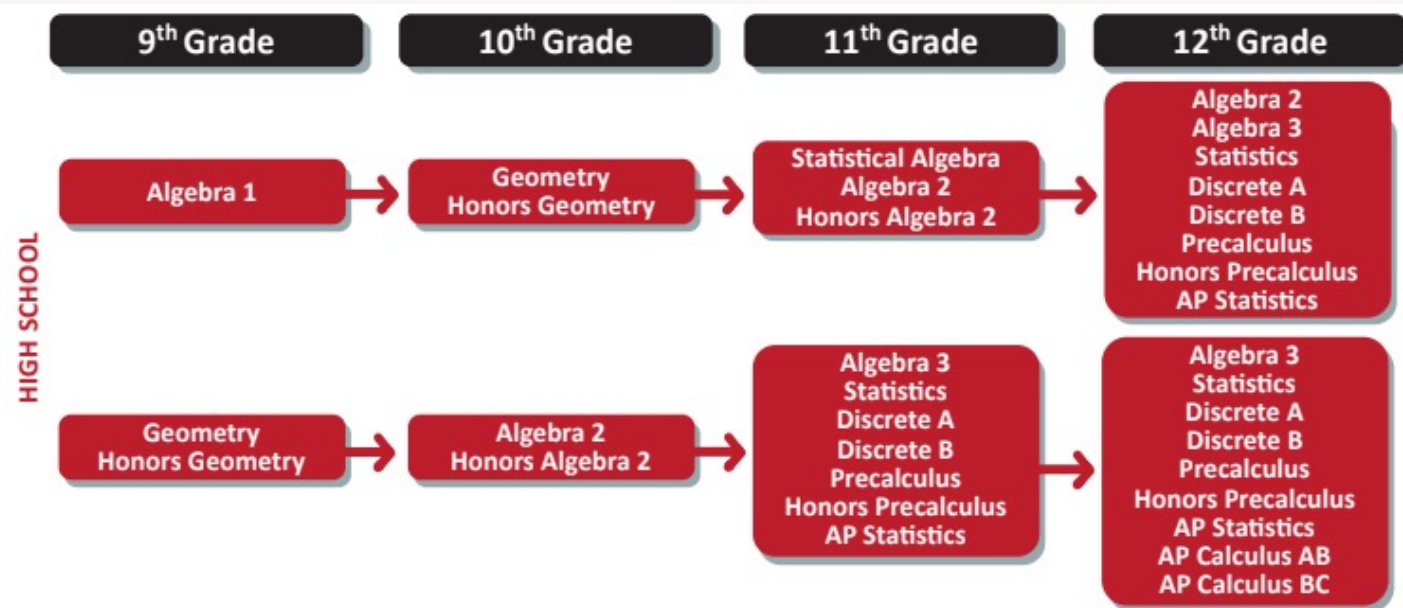
- documented to ensure current curriculum is approved by the School Board
- documented to ensure consistent student experience
- documents to ensure transparency for community



Mathematics



Kirkwood Math Pathways



Honors Geometry

Students in Honors Geometry study complex geometric situations that deepen their understanding of congruence, similarity, trigonometry, and application of geometric concepts

- Grades: 8th-10th
- Year-long
- Proofs
- Honors weight



Statistical Algebra

New for 2024-25

This course focuses on the connections between mathematics and its applications to the real world.

- Grades: 10th-12th
- Target Population: Students who would benefit from additional application of Algebra concepts before moving to Algebra 2
- Year-long



Telling the Stories of
Quantitative Data



PreCalculus

Honors PreCalculus

Students in PreCalculus study operations on functions including solving equations, graphing, and finding domain and range. Specific functions to be studied include polynomials, rational, exponential, logarithmic, and trigonometric functions. In Honors PreCalculus, students extend their learning to deeper levels and move at a quicker pace.

- Grades: 10-12th
- Honors weight

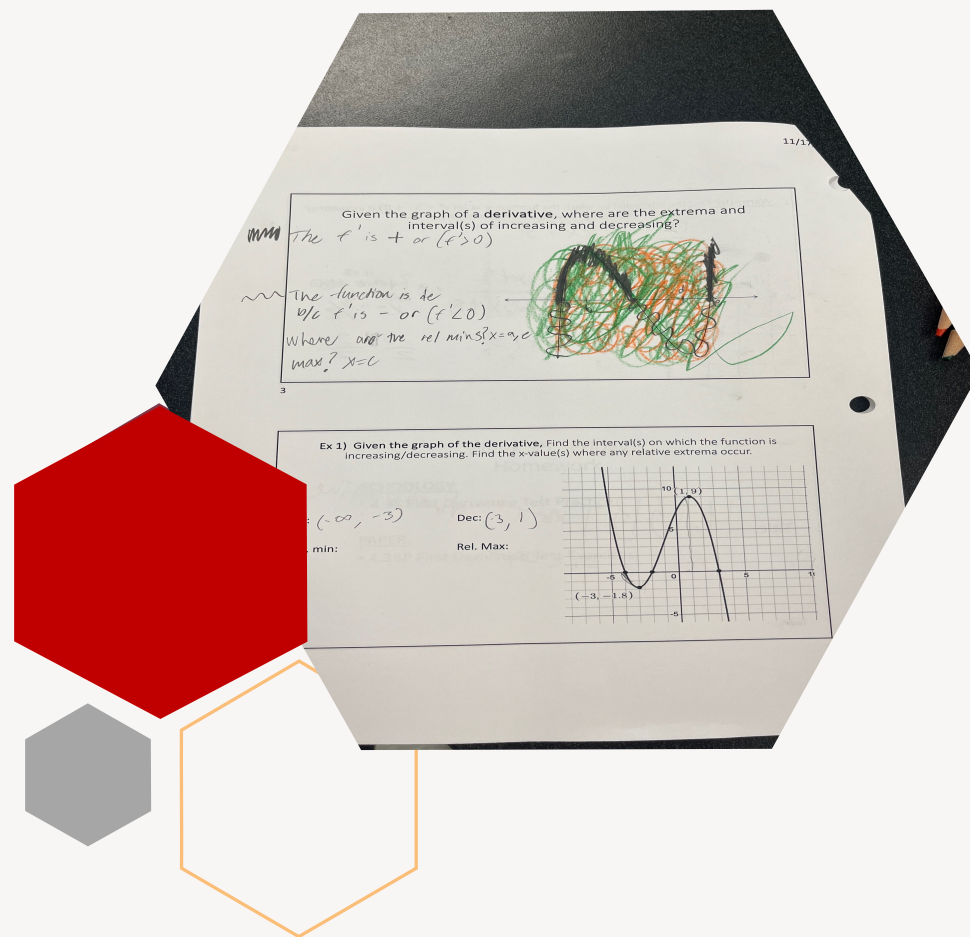
 Year-long



Calculus

In Calculus, students bring together all the skills learned in Algebra through Precalculus and apply them to the study of limits.

- Grades 11-12th
- Year-long
- Dual Credit through UMSL



AP Calculus AB

AP Calculus BC

Students enrolled in AP Calculus AB will study the same topics as regular Calculus but will have the additional challenge of the AP exam.

Students enrolled in AP Calculus BC will enhance their understanding of topics covered in AP Calculus AB and will also engage in a complete analysis of parametric equations, vectors, series and sequences.

- Grades: 10-12th
- Curriculum set by College Board
- Year-long
- Dual Credit through UMSL
- AP Exam
- AP weight

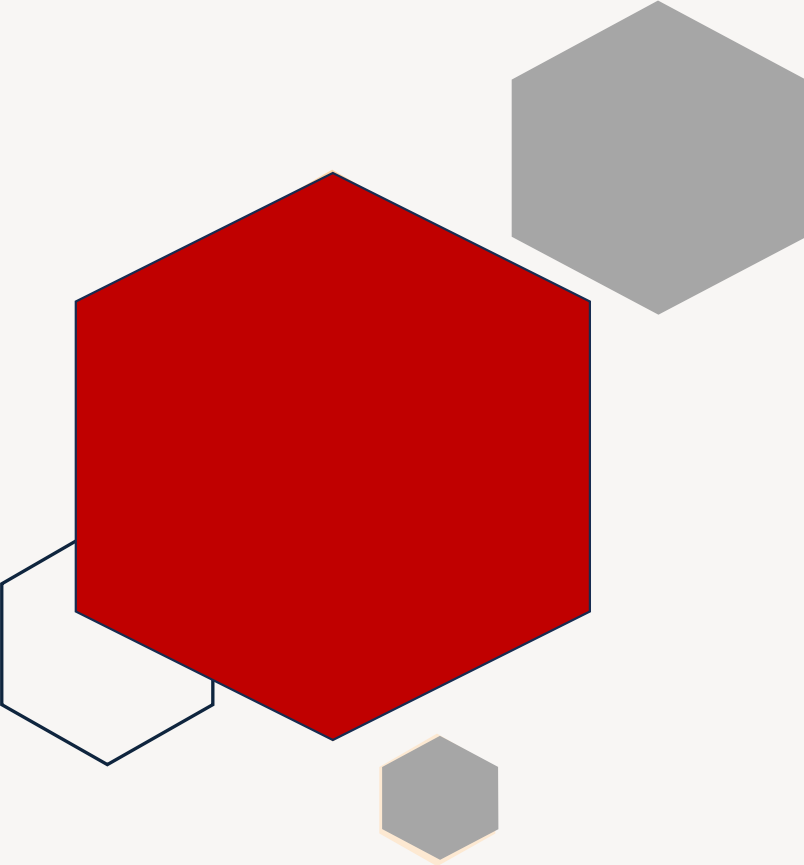


AP Statistics

Students enrolled in AP Statistics will be introduced to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students will be exposed to four broad conceptual themes: exploring data; sampling and experimentation; anticipating patterns; and statistical inference.

- Grades: 11-12th
- Year-long
- Curriculum set by College Board
- Dual Credit through UMSL
- AP weight
- AP exam



An abstract graphic on the left side of the slide. It features a large red hexagon with a thin black outline. To its upper right is a medium-sized gray hexagon. To its lower right is a small gray hexagon with a thin orange outline. To its lower left is a white hexagon with a thin black outline. The background is a light beige gradient.

Business



Accounting

Students taking Accounting build a basic understanding of manual and automated accounting principles, concepts, and procedures. Activities include using the accounting equation, completing the accounting cycle, entering transactions to journals, posting to ledgers, preparing end-of-period statements and reports, completing banking activities, calculating taxes, automated accounting and a comprehensive study of selecting companies to invest in the stock market.

- Grades: 10-12th
- Year-long
- Dual Credit through Missouri State University



SmashCode #1

SmashCode #1 introduces students to coding via the Python Turtle Graphics programming library. Students will learn the foundations of computer science and the basics of programming, with an emphasis on helping students develop logical thinking and problem-solving skills.

- Grades: 9-12th
- Semester-long



Start Up!

Students plan, start, and operate a small business. They research business ideas, calculate costs, construct a business plan, identify financing options, develop a marketing plan and operate their business individually or with a partner.

- Grades: 9-12th
- Semester-long
- Dual Credit through Missouri State University upon completion of Startup! and Entrepreneurship



Curriculum Review

Table Discussion - What do you notice?
What do you wonder?

Time for Questions

Thought Exchange

