

The background is a solid dark purple. It is decorated with various geometric shapes and patterns. There are several circles: a large dark blue circle in the center, a medium purple circle to its right, a pink circle with diagonal stripes on the left, a blue circle with a dot pattern at the bottom left, and a blue circle with diagonal stripes on the right. There are also triangles: a yellow dashed triangle at the top left, a pink solid triangle at the top right, a yellow solid triangle at the bottom left, and a pink solid triangle at the bottom right. Other shapes include a yellow dashed circle, a pink dashed circle, a yellow dashed line, a pink dashed line, a yellow solid line, a pink solid line, a yellow solid circle, and a pink solid circle. The text "Math Adoption Recommendation K-12" is centered in the large dark blue circle in a white serif font.

Math Adoption Recommendation K-12

Math Adoption Goal



GOAL: To review and adopt a strong K-12 math curriculum that serves as our core curriculum for math, starting in the 2021-2022 school year.

Gateway 1: Vertical alignment and curricular coherence

Gateway 2: Rigorous, student-led instructional design

Gateway 3: Enhanced digital platform

Overall Objective



Create mathematically proficient students with increased problem-solving skills that are prepared for post-graduation.

Our Process



- January-March 2020 - Met with publishers, gathered information on potential materials, initial review
- April-May 2020 - convened committee, reviewed research, established look-fors, committee meetings with publishers
- 2020-2021 - Eureka and IM pilot in select classrooms

Our Process



- Fall 2020 - Gateway 1 review with small sub-team
- Winter 2020-2021 - Gateway 2 and 3 review with all teachers K-6, all math teachers 7-12
- February 2021 - final review meetings with committee and publishers; consensus-building, and recommendation

2021–2026 Recommendations





Recommendation

Eureka Math – Great Minds

Kindergarten–6th grade

Strengths of the Program

- Concrete to pictorial to abstract representation in every lesson
- Cohesive use of models across the entire program
- High-quality fluency activities
- Embedded 'educative' resources for teachers: videos, lesson slides, etc.
- Student-to-student discourse, rigorous questioning
- Grade-level content and differentiation through scaffolding of representation instead of separate lessons



Recommendation

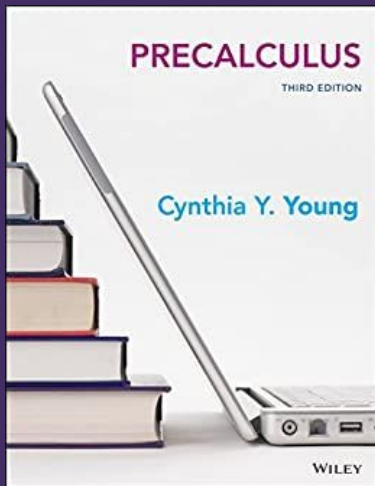
HMH Into Math

7th, 8th, Algebra, Geometry, Algebra II

Strengths of the Program

Josh Ahlgrim, NGC math teacher, says, “Strong digital platform. Includes a good balance of conceptual and procedural understanding. Includes open ended problems for all students to be able to access the content, but still provides practice and procedure. Also has great supports built in for diverse learners, including sections for differentiation based on ability, language, and depth of understanding.”

- Chunking of content into smaller units of study allow for more responsiveness to intervention and enrichment for students.
- Strong balance of conceptual and procedural understanding as well as fluency development throughout the program.
- Digital platform enhances learning and engagement for students and was created with student and teacher in mind.
- Strong standard based data can be extrapolated from Checks for Understanding and Summative Assessments.
- Process standards are embedded throughout units and lessons.
- Spiral review is embedded throughout.
- Professional Development and onboarding process will enhance teacher preparedness.



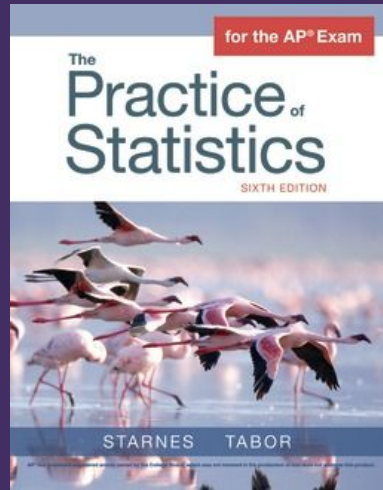
Recommendation

Pre-Calculus

HMH Precalculus 3rd Edition by Cynthia Young
BDU/BDHS Pre-Calculus

Strengths of the Program

- Each chapter provides “catch-the-mistake” problems to develop discourse and dialogue.
- An educative resource that includes unit intro videos for teachers which allow teachers to hear and see the reasoning for the unit layout.
- Includes “Skills objectives” and “conceptual objectives” in each lesson.
- Includes summary at the end to wrap up and summarize concepts.
- Explanations and examples are chunked to develop understanding as well as procedural fluency.
- Includes a test bank of 900+ questions.
- Creates vertical alignment with Algebra 1, Geometry and Algebra 2 and utilizes the same online platform.



Recommendation

AP Statistics
BF&W

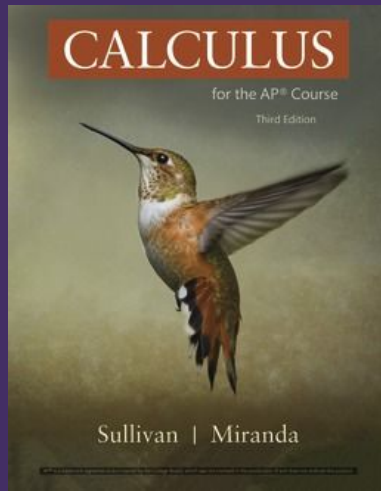
The Practice of Statistics 6th Edition
By Starnes and Tabor

Strengths of the Program



Dustin Shannon, BDHS AP Stats teacher, says “Clearly made with the student in mind. If you want a stats book that the kids will actually be able to use effectively, this is the one!”

- The AP Exam Tips are invaluable. Examples are clearly explained, and often followed by the suggested practice problems that address the same topic.
- Activates prior knowledge by building up from basic, straight-forward questions to higher-level, multi-skill, multi-part questions which promote higher level processing, analysing, and questioning.
- The section summaries aid in remediation by helping students and teachers prioritize concepts.
- Each Unit includes an AP Stats Practice Test, covering of all major topics needed for AP test preparation.



Recommendation

Calculus AB/BC

**Calculus for the AP Course
By Sullivan and Miranda**

Strengths of the Program

Matthew Mills, BDHS AB/BC Calculus teacher, says “This is my favorite of the bunch. The amount of materials provided are amazing. I specifically love how every section has AP Multiple Choice practice problems. The text is easy to read and really well organized (aligns to the College Board CED well).”

- Includes an online assessment (**Sapling Plus**) feature for checks for understanding.
- Problems incorporate cross-curricular learning through science and other real-world scenarios.
- Scaffolds are incorporate by instructing students what problems/concepts to review when struggling.
- Included are AP Exam Prep Flashcards sorted by chapter for AP Test review and preparation.
- Every lesson also includes AP Practice Problems as well as STEM chapter projects.

A HUGE thank you to the team...

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Bridget Johnson

Dave Patz

Dustin Shannon

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Marina Veprinski

Matt Meyer

Matthew Mills

Melanie Potter

Olivia Birdsall

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Questions?

