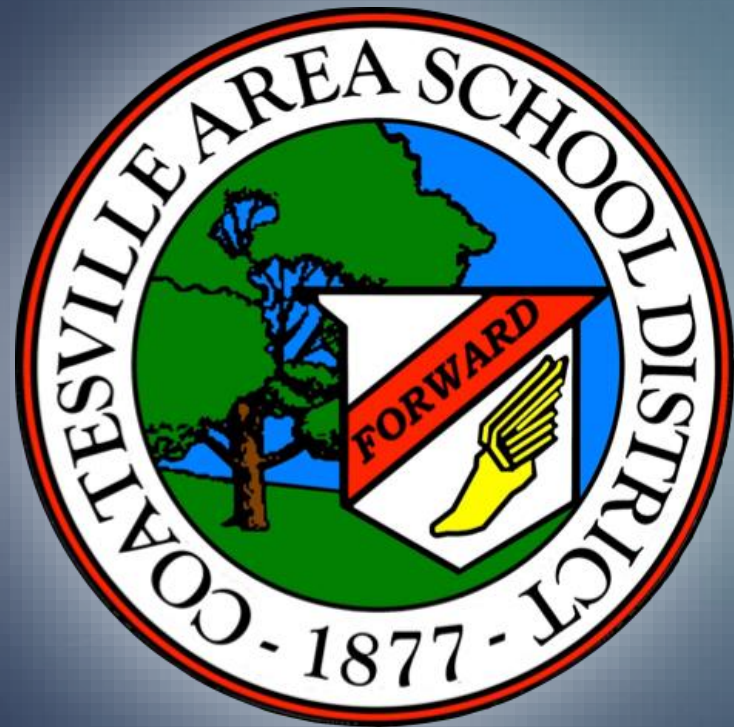


COATESVILLE AREA SCHOOL DISTRICT

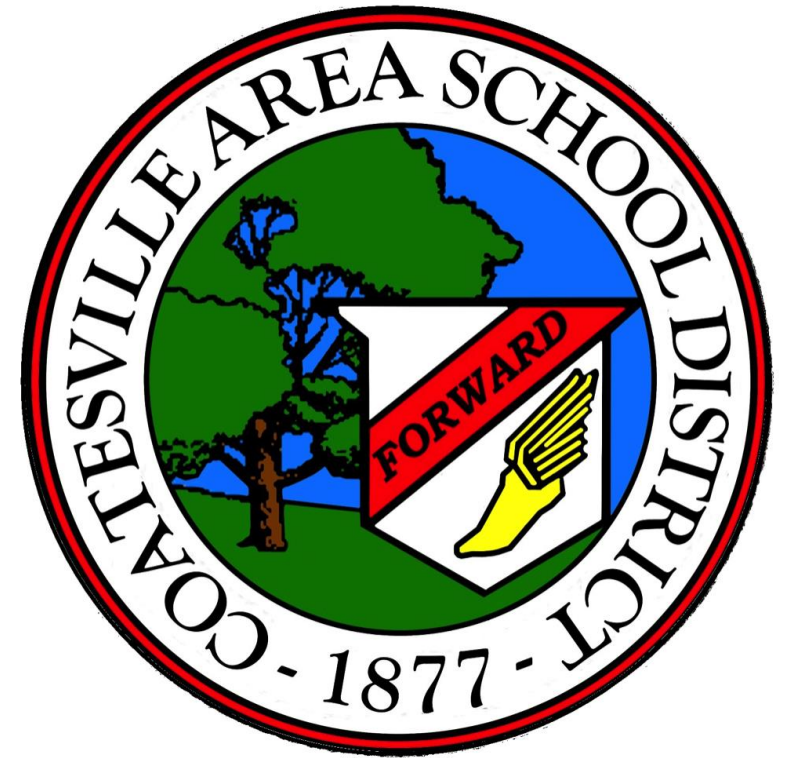


SECONDARY MATH CORE
RESOURCE SELECTION 22-23

SECONDARY MATH CORE RESOURCE SELECTION

▶ Math Core Resource Considerations

- Resources that provide flexibility for teachers and students to explore the continuum of instructional strategies and tools will provide a balanced approach to support students' understanding and application of mathematical concepts.
- Because our capacity to deal with all things mathematical is changing rapidly, students must be able to bring the most modern and useful technology to bear on their learning of mathematical concepts and skills.

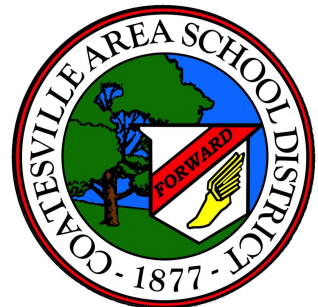


SECONDARY MATH CORE RESOURCE SELECTION

► Five Keys for Growing Confident Math Learners

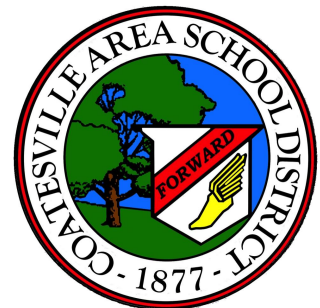
1. Everyone is a math person.
2. Everyone is on a math journey.
3. Mistakes help us learn.
4. Everyone has rich knowledge bases and experiences.
5. Mathematical thinking is more important than the answer.

*NCTM Learning and Teaching – Mathematics Teacher Volume 116_Issue 01



SECONDARY MATH CORE RESOURCE SELECTION

- ▶ **Utilization of a consistent core resource in grade 6 through Algebra II will support:**
 - **Equal access** to grade level concepts, learning activities, and instructional resources
 - **Use of common language, algorithms, and strategies** to strengthen student understanding and reduce confusion or misconception
 - **Consistent use of multiple forms of assessment data:** screeners, diagnostic assessments, growth measures, formative assessments, and summative assessments



SECONDARY MATH CORE RESOURCE SELECTION

► Core Resource Selection Timeline

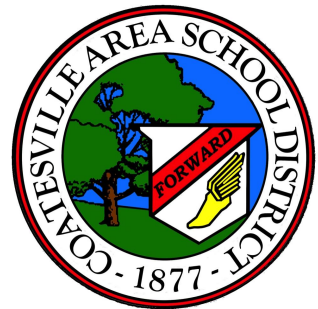
- April 2022: Secondary math teacher explored print samples, digital access, and presentations provided by several publishers.
- May 2022: Secondary math teachers collaborated to select two core resources for pilot in 2022-23.
- June 2022: School Board approved proposal for pilot of core math resources.
- July 2022: Initial training was provided for pilot teachers.
- March 2023: Secondary Math team collaborated to select a core math resource to be implemented in 2023-24.



SECONDARY MATH CORE RESOURCE SELECTION

▶ **Math Core Resource Pilot Teacher Participation**

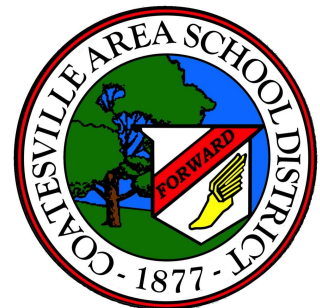
- enVision Mathematics and HMH Into Math / HMH Into AGA
 - 2 teachers in each: grades 6 and 7
 - 1 teacher in each: grade 8, Algebra I, Geometry, and Algebra II
- Pilot teachers were invited to periodic virtual check-ins with trainers
- Additional training was also provided on PD dates



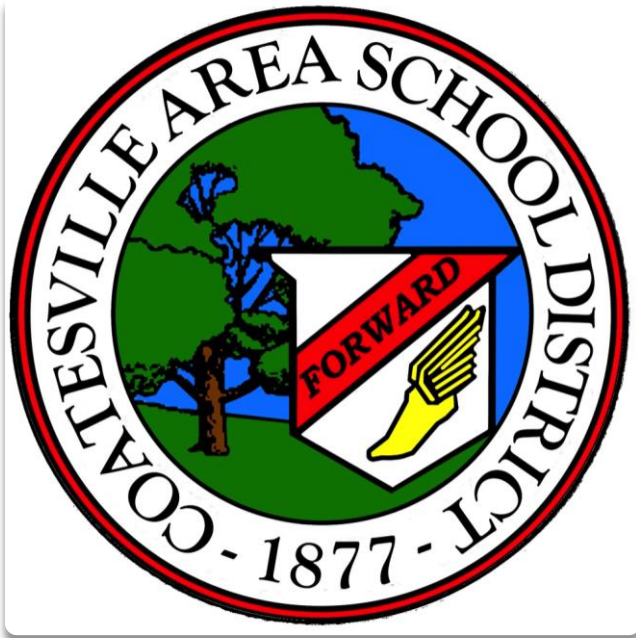
SECONDARY MATH CORE RESOURCE SELECTION

▶ Math Core Resource Review

- Pilot teachers for each resource collaborated to complete a rubric used for comparison purposes
- Rubric areas of focus:
 - **Part A:** Content Alignment to PA Core, Concept Development and Rigor, Emphasis on Skill Fluency, Differentiation for all Learners
 - **Part B:** Assessment Data, Embedded Interventions, Progress Monitoring, Additional Language Support
 - **Part C:** Professional Development, Digital Resources for the Teacher, Digital Resources for the Student, Family Support, Teacher Ease of Use, Student Ease of Use, Program Technical Support



SECONDARY MATH CORE RESOURCE SELECTION



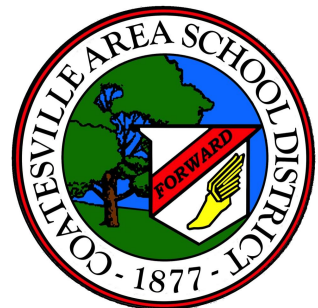
▶ Math Core Resource Selection Discussion

- Secondary teachers met on 3/15/23 to review and compare the rubrics.
- A summary of the of the highlights and concerns listed on the rubrics was shared with the team.
- Teachers voted and selected enVision as the preferred core resource for math courses in grade 6 through Algebra II.

SECONDARY MATH CORE RESOURCE SELECTION

▶ Math Core Resource Rubric Comments

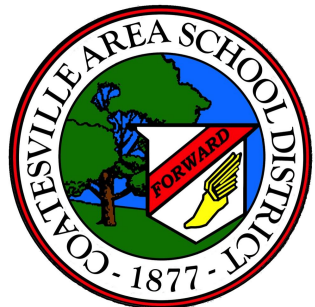
- Comments were provided by enVision pilot teachers
 - **Concept Development and Rigor:** Test Prep and all levels of DOK are a strength.
 - **Differentiation:** There are many enrichment activities and extra practice plus Virtual Nerd videos. Multiple options include reteach, additional practice, vocab, enrichment, videos, topic projects, and 3 act tasks.
 - **Assessment Data:** Assessments can be modified; provides immediate feedback; appreciate auto-scoring for online assessments.



SECONDARY MATH CORE RESOURCE SELECTION

▶ Math Core Resource Rubric Comments

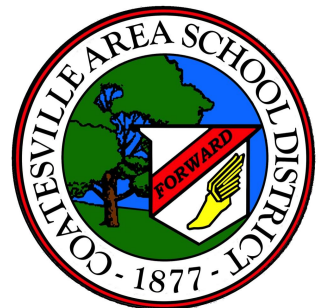
- Comments provided by enVision pilot teachers
 - **Embedded Interventions:** Autogenerates extra work based on answers and will work towards mastery; teacher may assign the intervention based on assessments.
 - **Progress Monitoring:** Mastery score is tracked.
 - **Professional Development:** Help is available online with video tutorials; PD videos are offered at the beginning of each chapter.



SECONDARY MATH CORE RESOURCE SELECTION

▶ Math Core Resource Rubric Comments

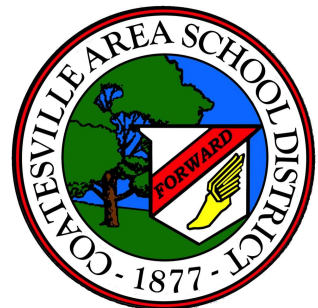
- Comments provided by enVision pilot teachers
 - **Digital Learning Resources for Teachers:** Videos and lesson plans; online teacher book; online test generator; many resources are available.
 - **Digital Learning Resources for Students:** Easier to access online textbook through canvas; book, assignments and videos online for each lesson; immediate feedback on practice and assessments; Online textbook, tutorials, games, math tools, glossary, practice/activities, assessments.



SECONDARY MATH CORE RESOURCE SELECTION

▶ Math Core Resource Rubric Comments

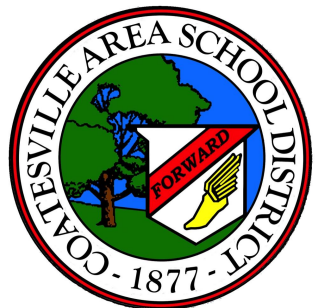
- Comments provided by enVision pilot teachers
 - **Family Support:** Virtual nerd videos would help parents with support for each lesson.
 - **Teacher Ease of Use:** Easier to use and format of each lesson is the same; everything is available virtually; online program is organized in an easy-to-use format.
 - **Student Ease of Use:** Initially difficult for students but becomes easier with use; students can see when they need to complete assignments.
 - **Program Technical Support:** Available online and with enVision consultants.



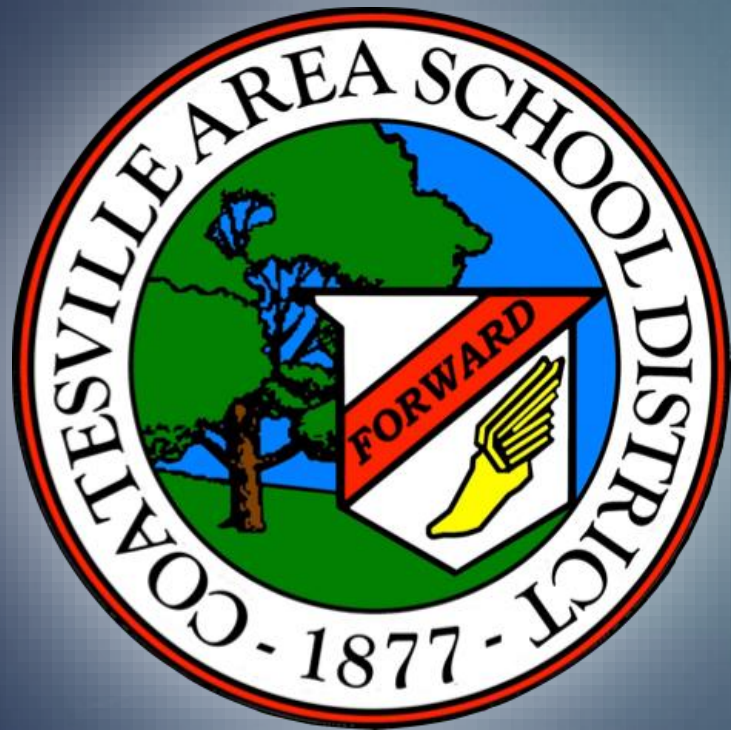
SECONDARY MATH CORE RESOURCE SELECTION

▶ **enVision adoption proposal**

- 6-year adoption of resources for Grade 6, Grade 7, Grade 8, Algebra I, Geometry, and Algebra II
 - Purchase of resources for 8-10 teachers
 - Purchase of resources for students
 - Grades 6-8: Digital courseware and PA student edition
 - AGA: Digital courseware and student edition
 - Purchase of Initial Program Activation Training
 - Purchase of Initial Implementation Essentials Training
- Adoption Cost: \$400,657



Q & A



THANK YOU!