



Mathematical Pathways

The Journey to Mathematical Excellence

What are Pathways?

- o An effective process for placing students on the appropriate trajectory for mathematics instruction.
- o A placement process to ensure all students will master key concepts and practices in order to develop and utilize their mathematical competence.
- o Our goal is to find the mathematical “sweet spot” for our learners including the provision for students to move fluidly and flexibly between pathways when appropriate.

Reasoning for the Pathways

- To clearly define data driven benchmarks and criteria for placement into math courses that will maximize foundational learning and decrease potential learning gaps.
- To provide clear and transparent communication to teachers, students and parents regarding best instructional placement options for students.

Reasoning Continued

- o To support and monitor student transitions into appropriate pathways enhancing the achievement of mathematical standards.
- o To utilize cross-grade placement options for elementary to middle and middle to high school level classes when appropriate and necessary to meet student needs.
- o To emphasize mathematical enrichment and remediation at all levels to the maximum extent possible for all students.

Goals of the Pathways

- o To place each and every student into math courses that will provide the appropriate level of rigor and productive struggle while reducing the potential for overwhelming frustration.
- o To support a culture of mathematical appreciation and understanding leading to future success at higher levels in the content area.

The Pathways

	4 th	5 th	6 th	7 th	8 th
3 rd	4A All of 4 th and 1 st ½ of 5 th	5A 2 nd ½ of 5 th and all of 6	Pre-Algebra	Algebra I	Honors Algebra II
	4	5	6	7	Adv. Pre-Alg
		5B All of 5 th 1 st ½ of 6	6B 2 nd ½ of 6 th and all of Pre-Algebra	Algebra I	Honors Algebra II

Key Criteria for Placement

- o PSSA Advanced/High Proficient
- o 88th percentile and above on the STAR Summary Report
- o End of Year Benchmark Score
- o Teacher Recommendation



Additional Information

- o If a student has been moved to an alternative grade level for math instruction, the student will take the PSSA Assessment that corresponds with his/her age level grade.



Questions

The logo for 'MATH ROCKS' is displayed in a stylized, hand-drawn font. The word 'MATH' is written in yellow with a black outline, and the word 'ROCKS' is written in blue with a black outline. The letter 'O' in 'ROCKS' is a vibrant green and contains a white five-pointed star in its center. The entire logo is set against a white rectangular background.

**MATH
ROCKS**