Philosophy/Objectives

Mathematics, science, and technology courses play increasingly important roles in the education of today's students. The students of today will need a strong math and science background to be competitive in the global marketplace. In this changing landscape it is critical that Plano ISD develop the mathematical abilities of all students, especially students who are mathematically high-achieving. These students need opportunities to study topics in depth through an enriched, challenging curriculum taught by qualified mathematics teachers who can guide and develop their students' specific gifts and talents. The mathematics curriculum is appropriate for most students in Plano; however, there are students for whom an enriched grade level curriculum still does not develop their mathematical talent. Simply accelerating students to the next grade level is not the answer. While acceleration exposes students to new content, the mathematically high-achieving students need in-depth experiences in mathematics to maximize their potential.

Program Goal

Identify and serve mathematically high performing students with rich tasks based on classic mathematical topics that require thinking far beyond their grade level.

Selection Criteria

The Math Rocks program is available to students who will be entering grades 4, 5, or 6. Students are invited to participate in the Math Rocks program based on the average of two MAP math test administrations. Students in grade 3 qualify to participate in grade 4 if their 3rd grade MAP average is greater than two standard deviations above the district mean. Students in grade 4 qualify to participate in grade 5 if their 4th grade MAP average is greater than two standard deviations above the district mean. Students in grade 2 may also qualify to participate in grade 3 if their 2nd grade MAP average is greater than three standard deviations above the district mean. Students in grade 5 qualify to participate in grade 6 if their 5th grade MAP average is greater than 1.7 standard deviations above the district mean, which is the last opportunity to qualify for the program.

Program

The Math Rocks class replaces the students’ regular mathematics class and includes work on grade-level TEKS as well as additional rich, in-depth mathematical experiences specific to Math Rocks. The enrichment curriculum is written in collaboration with mathematics educators from The University of Texas at Dallas. The course sequence is:

- 3rd, 4th, and 5th Grade Math Rocks – Math Rocks Enrichment and 4th – 6th grade TEKS
- Math Rocks 6 (6th Grade) – Math Rocks Enrichment and 7th – 8th grade TEKS
- Math Rocks 7 (7th Grade) – Math Rocks Enrichment and Algebra I Honors
- Math Rocks 8 (8th Grade) – Math Rocks Enrichment and Geometry Honors
Elementary Campus Clusters

Elementary campuses are organized into Math Rocks clusters. Students who do not attend a Math Rocks campus are given the opportunity to transfer to their cluster school so that they can take advantage of this program. The transfer fee is waived for Math Rocks students. Parents are responsible for all transportation. Siblings may transfer if space is available. (Transfer fee applies for siblings.)

Andrews Elementary

Beverly Elementary
- Bethany
- Beverly
- Hedgcoxe
- Rasor

Brinker Elementary
- Barksdale
- Brinker
- Centennial
- Hightower
- Huffman
- Jackson – west of Coit
- Mitchell
- Rose Haggar

Centennial Elementary

Haun Elementary
- Daffron
- Gulledge
- Haun

Mathews Elementary

Hickey Elementary
- Barron
- Dooley
- Forman
- Hickey
- McCall
- Meadows
- Memorial

Saigling Elementary
- Aldridge
- Carlisle
- Davis
- Harrington
- Hughston
- Jackson – east of Coit
- Saigling
- Shepard
- Sigler
- Thomas
- Weatherford
- Wells

Schell Elementary
- Boggess
- Hunt
- Mendenhall
- Miller
- Schell

Stinson Elementary

Skaggs Elementary

Wyatt Elementary
Middle School Campus Clusters

Middle School campuses are organized into six Math Rocks clusters. Students who do not attend a Math Rocks campus are given the opportunity to transfer to their cluster school so that they can take advantage of this program. The transfer fee is waived for Math Rocks students. Parents are responsible for all transportation. Siblings may transfer if space is available. (Transfer fee applies for siblings.)

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For more information contact:
- Ms. Whitney Evans, Secondary Mathematics Coordinator  Whitney.Evans@pisd.edu
- Mrs. Julia Haun, Elementary Mathematics Coordinator Julia.Haun@pisd.edu