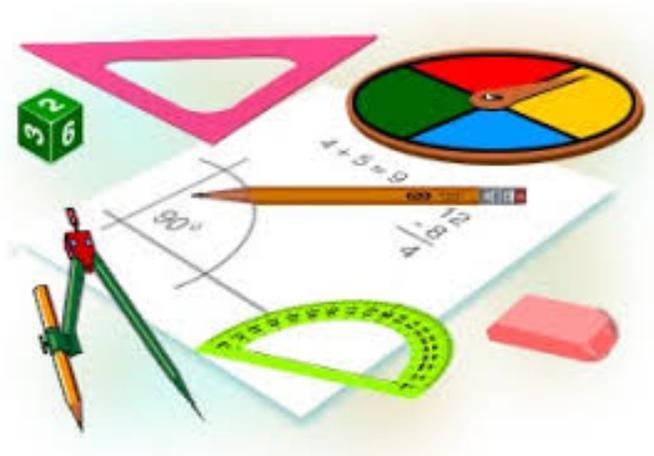


Mathematics

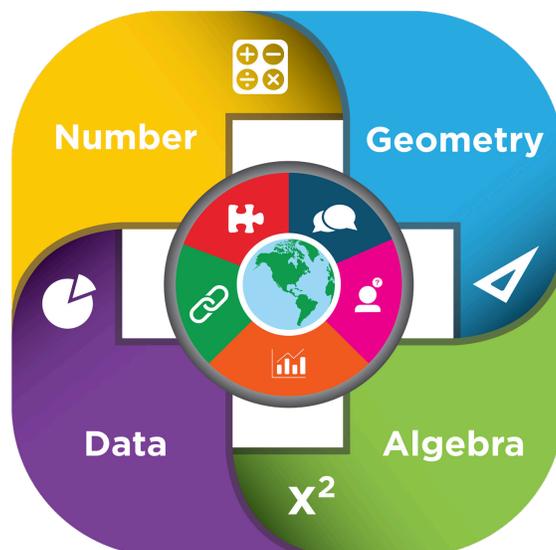
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District Mathematics Vision

All students will apply mathematical concepts and computational skills to be college and career ready through:

- Problem solving
- Reasoning
- Visual representations
- Connections
- Oral and written communication

District Mission Statement & Goals

The Stanton Community Schools exist to create, foster and provide a positive learning environment in which all students can become responsible and productive citizens of the United States of America through academic, physical, social, vocational and emotional growth.

The students will:

1. Participate in a 21st century learning pedagogy by:
 - a. Meeting or exceeding learning standards in the core curricular areas of Language Arts, Mathematics, Science, and Social Science.
 - b. Acquiring lifelong learning skills such as self-direction, adaptability, and higher-order thinking/problem solving. Also included in these learning skills are researching information & reporting results, developing interpersonal & cross cultural relationships, and utilizing the student's curiosity & creativity.
 - c. Utilizing learning technologies to explore & investigate concepts; access, manage, analyze, & synthesize information; and communicate & produce quality products.
2. Be prepared to compete in a global society following graduation.
3. Develop respect and a positive attitude for themselves and others.
4. Assume civic responsibility as a member of a family, community, nation, and world.
5. Appreciate the arts.
6. Be provided with vocational and technological skills.
7. Have the knowledge and skills needed to maintain healthy and fit bodies throughout their lives.
8. Be provided an environment that stimulates emotional growth.
9. Develop effective work ethics.

Content Strand	Description
Number (N)	Students will solve problems and reason with number concepts using multiple representations, make connections within math and across disciplines, and communicate their ideas.
Ratios and Proportions (R) ¹	Students will understand ratio concepts and use ratio reasoning to solve problems.
Algebra (A)	Students will solve problems and reason with algebra using multiple representations, make connections within math and across disciplines, and communicate their ideas.
Geometry (G)	Students will solve problems and reason with geometry using multiple representations, make connections within math and across disciplines, and communicate their ideas.
Data (D)	Students will solve problems and reason with data/probability using multiple representations, make connections within math and across disciplines, and communicate their ideas.

Mathematical Processes

To develop essential mathematical habits of mind, mathematically proficient students:

<p>Make sense of problems and persevere in solving them.</p> 	<p>Reason quantitatively and abstractly and consider the reasoning of others.</p> 	<p>Create and use representations to organize, record, and communicate mathematical ideas.</p> 	<p>Analyze mathematical relationships to connect mathematical ideas.</p> 	<p>Explain and justify mathematical ideas using precise mathematical language in written or oral communication.</p> 
PROBLEM SOLVING	REASONING	REPRESENTATIONS	CONNECTIONS	COMMUNICATION

To access the district's mathematics curriculum guides, click the links below.

[Kindergarten](#)

[Math 7](#)

[Math Analysis](#)

[1st Grade](#)

[Pre-Algebra](#)

[Pre-Calculus](#)

[2nd Grade](#)

[Foundations of Algebra](#)

[Calculus](#)

[3rd Grade](#)

[Algebra I](#)

[4th Grade](#)

[Geometry](#)

[5th Grade](#)

[Algebra II](#)

[6th Grade](#)