

ALGEBRAIC REASONING

Teacher: Mr. Brandon Bunch

Class Periods: 3rd, 5th, 7th

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Algebraic Reasoning is a course designed as a 2nd Math course for students that need extra help with Algebra skills. For many students, this course helps prepare them for the Algebra 1 STAAR EOC Test if they have not yet passed the course. For other students, the course just provides extra Algebra practice in order to improve their skills.

Topics Taught in Algebraic Reasoning

- <u>Solving Equations</u>	- <u>Domain and Range</u>
- <u>Linear, Quadratic, and Exponential Functions</u>	- <u>Finding Slope, Y-intercept, and X-intercept from a graph</u>
- <u>Solving and Graphing Inequalities</u>	- <u>Simplifying Polynomials (Adding/Subtracting/Multiplying)</u>
- <u>Laws of Exponents</u>	- <u>Solving Systems of Equations</u>
- <u>Graphing Systems of Equations</u>	- <u>Solving Quadratic Functions</u>
- <u>Key Features of Quadratic Functions (vertex/zeros/axis of symmetry)</u>	- <u>Exponential Functions</u>
- <u>Rate of Change</u>	- <u>Regression (Linear/Quadratic/Exponential)</u>