

Math Highlights

Algebra I

What your Middle School Student will learn . . .

Students will learn through a research –based balanced instructional approach that includes both discovery learning and direct instruction in the following units:

- Numbers and Operations
- Linear Equations
- Linear Systems & Inequalities / Probability
- Polynomials

Your Middle School Student will continue to develop the Standards for Mathematical Practice . . .

- Makes sense of problems and persevere in solving them
- Reason abstractly and quantitatively
- Construct viable arguments and critique the reasoning of others
- Model with mathematics
- Use appropriate tools strategically
- Attend to precision
- Look for and make use of structure
- Look for and express regularity in repeated reasoning

What your Middle School Student will do . . .

- Apply real numbers to problem-solving strategies
- Write, solve, graph to then analyze linear equations, inequalities, and systems of both
- Interpret and use linear functions and their equations, graphs, or tables
- Describe, compute and/or use rate of change
- Apply probability
- Simplify expressions involving polynomials

What families will see ...

- Children practicing and reviewing their math skills and concepts
- New math vocabulary
- Emphasis on collaboration and cooperation as a community of learners
- Children using the Algebra 1 online resource available anywhere, anytime, and on almost any device with an internet connection

How families can help . . .

- Encourage your child to share their math learning and math assignments
- Discuss with your child how successful he/she feels
- Log-in with your child to the Prentice Hall Algebra 1 website at www.pearsonsuccessnet.com for math practice and support
- Keep open communication with your child's teachers