

Parent Guide to Grade 11 Standards



MILWAUKEE
PUBLIC SCHOOLS

MATHEMATICS

What should my child learn in Grade 11?

ALGEBRA 2

Interpreting Functions

- Understand the concept of a function and use function notation.
- Interpret functions that arise in applications in terms of the context.
- Analyze functions using different representations.

Building Functions

- Build a function that models a relationship between two quantities.
- Build new functions from existing functions.

Linear, Quadratic, and Exponential Models

- Construct and compare linear and exponential models, and solve problems.
- Interpret expressions for functions in terms of the situation they model.

Trigonometric Functions

- Prove and apply trigonometric identities.
- Extend the domain of trigonometric functions using the unit circle.

Mathematical Practice

- Make sense of problems and persevere in solving them.
- Construct viable arguments and critique the reasoning of others.
- Use appropriate tools strategically.
- Attend to precision.

How Can I Help My Child Learn at Home?



- 1 Link mathematics with daily life:** Include your child in situations that involve mathematics such as a budget, discounts, reading a map, recipes, etc.
- 2 Be positive:** Help your child have a “can do” attitude toward math by praising their efforts.
- 3 Make mathematics fun:** Play math-related games. Solve puzzles and brain teasers with your child.
- 4 Learn about mathematics-related careers:** Research careers with your child, and find out what he or she should be doing now to prepare for these options.
- 5 Have high expectations:** Have a mindset that your child can do complex math and succeed in advanced mathematics.
- 6 Support math homework.**



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The MPS Ambitious Instruction Plan strengthens core instruction and builds a strong foundation across academic areas with a focus on mastery of **reading, writing, and mathematics** skills.