

Parent Guide to Grade 10 Standards



MILWAUKEE
PUBLIC SCHOOLS

MATHEMATICS

What should my child learn in Grade 10?

GEOMETRY

Congruence

- Experiment with transformations in the plane.
- Understand congruence in terms of rigid motions.
- Make geometric constructions.

Similarity, Right Triangles, and Trigonometry

- Understand similarity in terms of similarity transformations.
- Prove theorems involving similarity.

Circles

- Understand and apply theorems about circles.
- Find arc lengths and areas of sectors of circles.

Geometric Measurement and Dimension

- Explain volume formulas and use them to solve problems.
- Visualize relationships between two-dimensional and three-dimensional objects.

Modeling with Geometry

- Apply geometric concepts in modeling situations.

Conditional Probability and the Rules of Probability

- Understand independence and conditional probability, and use them to interpret data.
- Use the rules of probability to compute probabilities of compound events.

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.



Infinite Campus Parent Portal

Get real-time updates and alerts right on your phone!

Get 24-hour access to view your child's academics, attendance, and resources to support achievement. Go to your child's school to sign up for an account and bring photo identification. Once registered, access your account online at mpsmke.com/parentportal.

For more information, contact your child's teacher, school leader or the MPS Office of Academics at (414) 777-7806 or mpsmke.com/academics.

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.**

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.