

7th Grade: What math course should I take?

- Make this important choice with the help of your parents and perhaps your 6th grade teacher.
- You should choose your math class based on what you need and not what your friends are taking.
- There are three courses available for 7th grade students:
 - 7th Grade Math --- **MOST STUDENTS TAKE THIS CLASS**
 - 7th Grade Math Honors --- Some students take this class
 - 7th/8th Grade Accelerated Math --- Only a few very advanced students

The 7th Grade Math and 7th Grade Math *Honors* cover very similar material and are basically the same except for the speed and support that is offered. 7th Grade Math goes a little bit slower, there are peer tutors and an adult aide in each class to help students, and there is time built into the calendar to help students who may have struggled in the past. This class is designed so that students who need and want help can get help. Students who achieve a 95% test average in 7th Grade Math can qualify for honors math in 8th grade.

7th Grade Math *Honors* goes a little faster than 7th Grade Math. There are no peer tutors or adult aides in these classes. Most students who take 7th Grade Math *Honors* have done well in math and they have usually been proficient on benchmark and year end tests. Students who take 7th Grade Math *Honors* are normally motivated to do well and do not require much assistance. Students in honors math need to maintain a 90% test average to qualify for honors math the next year.

7th/8th Accelerated Math is only for very advanced students. Students who take 7th/8th Accelerated math love math, they enjoy thinking and show work to support their thinking, they know how to solve algebraic equations, and they like working hard to figure things out. A 5th grade math RISE scaled score of 400 or more is recommended for registration and a 6th grade math RISE scaled score of 448 will be verified in May when registration is finalized. Students in 7th/8th Accelerated Math need to maintain a 95% test average to qualify for Secondary Math 1 Honors in 8th grade.

- We encourage you to choose the best course now and then work hard to make good things happen.
- Remember, anyone can learn to do math, but we all have to work hard at it.
- No matter what course you take, your hard work and honest effort will be the keys to your success.

TOPICS FOR 7TH GRADE MATH:

- Integers
- Simplifying algebraic expressions
- Solving equations with integers and rational numbers
- Using equations and algebraic expressions in the context of real world problems
- Solving and using inequalities
- Proportional relationships in numeric, graphic, and algebraic forms
- Solving problems involving percents
- Basic geometry
- Probability
- Data displays and simple statistics

TOPICS FOR 7TH/8TH ACCELERATED MATH:

- Combination of the topics of **BOTH** 7th Grade Math (above) **AND** 8th Grade Math Honors (next page)

8th Grade: What math course should I take?

- You should select a course with the advice of your current math teacher and your parents.
- There are three courses available for 8th grade students:
 - 8th Grade Math
 - 8th Grade Math Honors
 - Secondary Math 1 Honors

8th Grade Math is taken by most students who took 7th Grade Math. 8th Grade Math is similar to 8th Grade Math Honors but it does NOT include honors topics. 8th Grade Math goes a little bit slower and focuses on essential skills. Students who achieve a 95% test average in 8th Grade Math can qualify for honors math in 9th grade, but they may need to study a few additional topics over the summer.

8th Grade Math *Honors* is taken by students who did exceptionally well in 7th Grade Math (regular or honors). This course covers all the topics of 8th Grade Math along with a few honors topics that prepare students for future math classes. Students who take 8th Grade Math *Honors* are usually motivated to do well, they enjoy math, and they do not require much assistance. Students in honors math need to maintain a 90% test average to qualify for honors math the next year.

Secondary Math 1 *Honors* is only for very advanced 8th graders. Students who take this class did exceptionally well in 8th Grade Math Honors as a 7th grader. Students who take this class love math and they enjoy working hard to figure things out. Students in Secondary Math 1 Honors as an 8th grader need to maintain a 95% test average to qualify for Secondary Math 2 Honors in 9th grade.

- We encourage you to make a good decision now and then work hard to make good things happen.
- Remember, anyone can learn to do math, but we all have to work hard at it.
- No matter what course you take, your hard work and honest effort will be the key to your success.

TOPICS FOR 8TH GRADE MATH:

- Solving equations including those with no solution or infinitely many solutions
- Solving inequalities and absolute value equations
- Using equations and inequalities in the context of real world problems
- Using squares, square roots, and cubes
- Graphing linear equations and finding linear equations based on data
- Solving systems of linear equations by graphing
- Angle relationships and similarity
- Transformations of figures
- Using the Pythagorean Theorem and distance formula
- Volume of basic 3D figures
- Properties of exponents
- Data displays, descriptive statistics, and approximating lines of best fit
- HONORS TOPICS: Solving systems using substitution and elimination

TOPICS FOR SECONDARY MATH HONOR: (next page)

9th Grade: What math course should I take?

- You should select a course with the advice of your current math teacher and your parents.
- There are three courses available for 9th grade students:
 - Secondary Math 1
 - Secondary Math 1 Honors
 - Secondary Math 2 Honors

Secondary Math 1 is taken by most students who took 8th Grade Math. Secondary Math 1 is similar to Secondary Math 1 Honors but it does NOT include honors topics. Secondary Math 1 goes a little bit slower and focuses on essential skills. Students who achieve a 95% test average in Secondary Math 1 can qualify for honors math in 9th grade, but they may need to study additional topics over the summer.

Secondary Math 1 *Honors* is taken by students who did exceptionally well in 8th Grade Math (regular or honors). This course covers all the topics of Secondary Math 1 along with honors topics that prepare students for high school honors classes. Students who take Secondary Math 1 *Honors* are usually motivated to do well, they enjoy math, and they do not require much assistance. Students in honors math need to maintain a 90% test average to qualify for honors math the next year.

Secondary Math 2 *Honors* is only for very advanced students. Students take this class if they did exceptionally well in Secondary Math 1 Honors as an 8th grader. Students in this class are usually preparing for college level math. Students who take this class love math and they enjoy working hard to figure things out. Students in Secondary Math 2 Honors as a 9th grader need to maintain a 95% test average to qualify for Secondary Math 3 Honors in 10th grade.

- We encourage you to make a good decision now and then work hard to make good things happen.
- Remember, anyone can learn to do math at high levels, but we all have to work hard at it.
- No matter what course you take, your hard work and honest effort will be the key to your success.

TOPICS FOR SECONDARY MATH 1:

- Solving absolute value equations and inequalities
- Solving absolute value inequalities
- Graphing calculator skills
- Solving systems of linear equations with applications
- Linear and exponential functions in numeric, algebraic, and graphic form
- Graphing transformations of functions and performing operations on with functions
- Arithmetic and Geometric sequences
- Coordinate geometry including the distance formula and properties of quadrilaterals
- Transformations of figures and triangle congruence
- One and two variable data and statistics
- Geometric constructions
- HONORS TOPICS: Matrices and Vectors

TOPICS FOR SECONDARY MATH 2 HONOR: (see high school course description)

If you have any further questions, please contact Amanda Doty or Jonathan Lawes.

amanda.doty@jordandistrict.org

jonathan.lawes@jordandistrict.org