

# SUMMER SCHOOL MATH OFFERINGS 2019

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## For Incoming 7<sup>th</sup> Grade Students -

**Math 7 Prep** – This course is designed for incoming 7<sup>th</sup> grade students who are interested in boosting their math conceptual understanding and skill fluency in integers and their operations, fraction operations, and number sense (rounding, place value, estimating). Students will not receive math credit for completing this course.

**Bridge to Accelerated Math 7** – This course is designed for incoming 7<sup>th</sup> grade students who did well in 6<sup>th</sup> grade math and their math placement score was near 85% but they did not place into Accelerated Math 7. Students will focus on improving their critical thinking, integer operations skills, number sense and their ability to solve word problems. Students must pass this course with a B or better to be considered for Accelerated Math 7. Students will not receive math credit for completing this course.

## For Current 7<sup>th</sup> Grade Students -

**JH Math 7** – This course is designed for current 7<sup>th</sup> grade students enrolled in general education JH Math 7 and need to work on boosting their math skills to include problem solving in measurement, number logic and language, functions, and mathematical relationships.

**Basic JH Math 7** - This course is designed for current 7<sup>th</sup> grade students enrolled in Basic Math 7, who need to work on boosting their math skills to include problem solving in measurement, number logic and language, functions, and mathematical relationships.

## For Incoming 9<sup>th</sup> Grade Students -

**Algebra Readiness** – This course is designed for incoming 9<sup>th</sup> grade students who have earned a D or F in Math 8. This remediation course will allow students to explore fundamental topics such as integer and fraction operations, simplifying expressions, solving equations, linear graphing, systems of equations, and exponent properties. There will be an emphasis on skill fluency and conceptual understanding. Algebra Foundations materials will be used for this course. After completing this course with a C or better, students will take Algebra 1A in the fall. Students will not receive math credit for completing this course.

## For Incoming 10<sup>th</sup> Grade Students -

**Strategic Math** – This course is designed for incoming 10<sup>th</sup> grade students who took Algebra Prep in the spring semester. This remediation course will allow students to strengthen the skills they learned in Algebra Prep. Fundamental topics such as simplifying expressions, solving equations, linear graphing, systems of equations, and exponent properties will be explored in this class. There will be an emphasis on skill fluency and conceptual understanding. Algebra Foundations materials will be used for this course. After completing this course, students will take Algebra 1A in the fall. Students will receive math credit for successfully completing this course.

**Bridge to Honors Geometry** – This course is designed for incoming 10<sup>th</sup> grade students who excelled in Algebra 1 in high school with a test average of 95% or higher and are interested in placing into Honors Geometry in the fall semester. This fast-paced course will cover topics such as complex numbers and their operations, matrices, higher-order thinking and problem-solving skills, and the use of graphing utilities. Students must pass this course with a B in order to be considered for the Honors Geometry course. Students will not receive math credit for completing this course.

#### **For Incoming 10th - 12th Grade Students -**

**Algebra 1B** – This course is designed for incoming 10<sup>th</sup>, 11<sup>th</sup> or 12<sup>th</sup> grade students who have earned a D or F in Algebra 1B in high school, but passed Algebra 1A with a C or better. The essential skills and concepts from Algebra 1B will be explored in this class. Hart Interactive materials will be used for this course. After completing this course with a C or better, students will take Geometry 1A in the fall. Students will receive math credit for successfully completing this course.

**Basic Algebra A/B/C/D** – This course is designed for incoming 10<sup>th</sup>, 11<sup>th</sup> or 12<sup>th</sup> grade students who enrolled in a Basic Algebra course and earned a D or F in Basic Algebra A/B/C/D. Students may only make up one of these courses in the summer. The essential skills and concepts from each semester will be explored in this class. Hart Interactive materials will be used for this course.

**Geometry 1A or 1B** – This course is designed for incoming 10<sup>th</sup>, 11<sup>th</sup> or 12<sup>th</sup> grade students who have earned a D or F in Geometry 1A or 1B in high school, but passed the other course with a C or better. Students may only make up one of these courses in the summer. The essential skills and concepts from each semester will be explored in this class. Hart Interactive materials will be used for this course. After completing this course with a C or better, students will take Algebra 2A in the fall. Students will receive math credit for successfully completing this course.

**Algebra 2A or 2B** – This course is designed for incoming 11<sup>th</sup> or 12<sup>th</sup> grade students who have earned a D or F in Algebra 2A or 2B in high school, but passed the other course with a C or better. Students may only make up one of these courses in the summer. The essential skills and concepts from each semester will be explored in this class. Students will receive math credit for successfully completing this course.

**Business Math Using Excel** - This course will teach the fundamentals of business math and give the students an in-depth understanding of why they should study math. Business Math Using Excel prepares students for today's jobs by incorporating math concepts using two approaches. One approach is to teach the concepts using the traditional method of calculating. The second approach is to teach the same concepts showing how Excel completes the calculations. Students will complete the calculations by creating formulas and using Excel's powerful application tools and functions.