

Price Middle School Mathematics Course Descriptions

Support Class

- ASD 7 or ASD 8 This is a math support class that will provide students with another opportunity to learn the foundation standards in a smaller class setting, using different teaching strategies. In past years, students in these classes have shown gains in their benchmark scores and more confidence in their math class. Students may be enrolled in this course their 7th grade year, 8th grade year, or both years. *This course is taken in addition to their required math course.

Required Courses

- CC Math 6 This is the 6th grade level math course. The students will cover the following topics: Ratios and Proportional Relationships, The Number System, Expressions and Equations, Geometry, and Statistics & Probability.
- CC Math 7 This is the 7th grade level math course. The students will deepen their understanding of the following topics: Ratios and Proportional Relationships, The Number System, Expressions and Equations, Geometry, and Statistics & Probability.
- CC Math 8 This is the 8th grade level math course. The students will cover the following topics: Proportional and Non-proportional Relationships and Functions, Solving Linear Equations and Systems, Basic Geometric Transformations, and Measurement Geometry. Common Core Math 8 strengthens the students' linear algebra and geometric concepts and will prepare them for high school's Integrated Math 1 as a 9th grader.

Accelerated Courses

* The 2 courses below are designed to cover 3 years worth of content in 2 years **Students must take placement exams to qualify for enrollment in any of the courses below.

- CC Math 7/8 Students taking this course should already have a deep understanding of the 6th grade topics, which is what they learn in 7th grade. They will cover following topics at a deeper level: Statistics & Probability, Proportional and Non-proportional Relationships and Functions, and Basic Geometric Transformations *CC Math 7/8 students are expected to complete the assigned summer homework.
- Integrated Math 1 This is a high school math course. The students will cover the following topics: Creating equations, performing arithmetic operations on polynomials, reasoning with equations and inequalities, building and interpreting functions, constructing and comparing linear, quadratic, and exponential models, congruence and geometric measurement and dimensions, interpreting categorical and quantitative data. It is a fast paced class that requires at least 1 hour of daily homework along with weekend homework. Students must be highly motivated, hard working, and responsible. All standards will be covered to the most complex level. For success in this class, 99% of daily homework has to be completed and all major assignments and tests have to be completed with a "B" or above. If the grade drops below a "B", students will be transferred to the regular Math 8 class. These students will be working towards entering Integrated Math 2 as a freshman. *Integrated 1 students are expected to complete the assigned summer homework
- ASD IM1 This course meets the required IM1 course requirements for high school transcript purposes. The students will cover the following topics: Creating equations, performing arithmetic operations on polynomials, reasoning with equations and inequalities, building and interpreting functions, constructing and comparing linear, quadratic, and exponential models, congruence and geometric measurement and dimensions, interpreting categorical and quantitative data. It will be offered to students who are showing potential of learning all the Integrated Math 1

standards in depth while simultaneously learning all the Math 8 standards. If students successfully complete both courses they will be recommended for Integrated Math 2 as a 9th grader. *This course is taken in addition to their required math course.

* Elevate/Math Ramp Up

In 8th grade and 6th grade we offer an after school math support class that builds math confidence. The other focus is to move our "Nearly Met The Standard" math students up to "Met the Standard" or "Above Standard" on the SBAC test in spring. Students who are demonstrating that they understand Math 8 concepts, but for whatever reason, they did not show mastery on SBAC the previous year of offered to join this program. Our math teachers will provide students with the best instruction in problem solving, common core strategies, and support in grade level math standards. Price's Elevate Plus program has been a huge success the past couple of years. On SBAC, students who consistently attended the Elevate Plus class grew in leaps and bounds with 80% of the participants moving up on their SBAC score to "Met the Standard"!