

Advanced Middle School Math Course Descriptions

Course Descriptions and Qualifications

ACE 6/7 math is a compacted course comprising 100% of general 6th grade and 70% of the 7th grade math content. Due to the compaction, this course moves at a much faster pace and with much less practice time for new concepts. Placements will be made following Winter MAP testing during the 5th grade year; MAP scores will be reviewed in Spring to add any students who may newly qualify based on those scores.

Qualifications:

- Students who have a 1 year or 2 year MAP Math average of 85%ile or higher *or*
- Students who have a 1 year or 2 year MAP Math average of 80%ile or higher AND a cognitive ability score of 110 or higher *or*
- Students who have a 1 year or 2 year MAP Math average of 75%ile or higher AND a cognitive ability score of 115 or higher *or*
- Students who participated in Tier II math services in 5th grade

ACE 7/8 math is a compacted course comprising only 40% of the 7th grade and 100% of the 8th grade math content. Due to compaction, this course moves at a much faster pace and with much less practice time for new concepts. Please note: Any student who has *not* already completed 7th grade will be missing 60% of the 7th grade math curriculum including key concepts such as proportional relationships, solving equations and inequalities, operations with rational numbers (ex. fractions, decimals, percents, positive and negative numbers). Students take the 8th grade math OST in the spring.

Prerequisites:

- Students who have COMPLETED ACE 6/7 math or GATE 5 math

Algebra I is for high school credit. This course will be listed with the grade on the student's high school transcript. Students must take and earn an acceptable number of points for graduation. Please note: Any student who has *not* already completed 8th grade math is not exposed to prerequisite content for this course including radicals, positive and negative exponents, systems of equations, association and linear algebra.

Prerequisites:

- Students who have COMPLETED ACE 7/8 math, *or*
- Students who have COMPLETED 8th grade math

Geometry is for high school credit. This course will be listed with the grade on the student's high school transcript. Students must take and earn an acceptable number of points for graduation. Please note: Students new to GJPS who were previously enrolled in an Integrated Math course and not a traditional Algebra I course have not been exposed to all prerequisite content for this course.

Prerequisites:

- Students who have COMPLETED Algebra I