

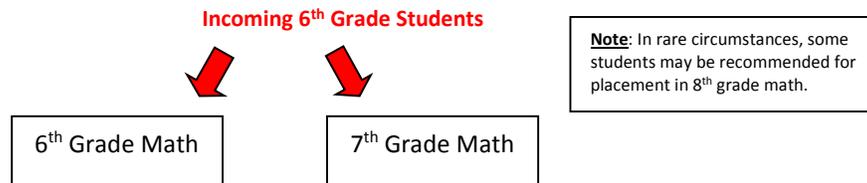
# SUSD Middle Level Math Courses

(Revised – March, 2016)

Diagnostic/Aptitude Assessment is given to all 5<sup>th</sup> grade students mid-April to early May each year.

(Aptitude Test – for 7<sup>th</sup> Grade Math)

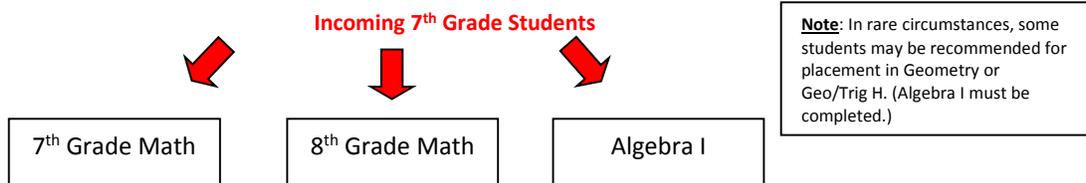
5<sup>th</sup> Grade Teachers complete matrices to identify the best courses for incoming 6<sup>th</sup> grade students to ensure successful experiences in math.



Diagnostic/Aptitude Assessment is optional for 6<sup>th</sup> grade students.

(Aptitude Test – for 8<sup>th</sup> Grade Math)

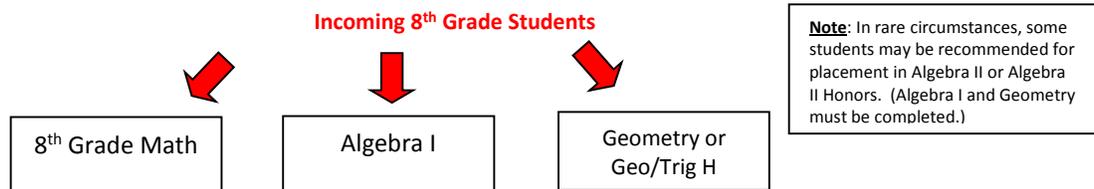
6<sup>th</sup> Grade Teachers complete matrices to identify the best courses for incoming 7<sup>th</sup> grade students to ensure successful experiences in math.



Diagnostic/Aptitude Assessment is optional for 7<sup>th</sup> grade students.

(Aptitude Test- for Algebra 1)

6<sup>th</sup> Grade Teachers complete matrices to identify the best courses for incoming 7<sup>th</sup> grade students to ensure successful experiences in math.



An SUSD diagnostic assessment is given to some 8<sup>th</sup> grade math students (depending on the needs of the feeder high school), to identify students that might benefit from remediation or intervention support systems at the high school level. 8<sup>th</sup> grade teachers score the tests and complete the matrices in DataCentral and communicate names of students identified with middle level counselors. Middle school counselors share identified students with high school counselors. (Note: Students can receive support for Algebra I in a variety of ways. See the High School Planning Guide for detailed explanations of the Algebra Support course and learn about other services each high school may have to ensure student success in math. Summer academic programs may be available to assist middle school students with the transition to high school level mathematics. Middle school guidance counselors will be able to assist and advise during spring semester.)

## Important Notes:

- ALL courses include the rigorous Arizona Standards at each grade level -- and the mathematical practices associated with them.
- Students are more successful in math classes in high school mathematics courses if they have a solid understanding of the standards in all math class prerequisites. Thus, decisions about recommending accelerating in math courses at the middle level are made thoughtfully, and in the best interest of students.
- Students identified that will benefit by “acceleration” may be encouraged to complete online modules that will provide instruction on the grade level standards from the course content that is “missed.”
- All students **MUST** take Algebra I – as it is the foundational course for all HS math courses.
- Reminder: Students completing Algebra I in middle school may elect to earn high school credit for that course. Students (and parents) will be asked whether they would like to earn that credit at the **END** of the course, after grades have been determined.

Students interested in taking Honors or AP level courses in math at the high school level should consult with their teachers and guidance counselors to learn if they would benefit from taking an extra class or receiving additional support prior to beginning an Honors level course. Please see the SUSD Middle School Planning Guide and the SUSD High School Planning Guide for additional information about math course descriptions and recommended sequences.