



# Grade 6

## Advanced MATHEMATICS

(updated January 2024)

### What is Grade 6 Advanced Math?

Grade 6 Advanced Math is a program offered on KISD intermediate campuses and includes an in-depth, rigorous study of all content from sixth-grade math, as well as select content from Grade 7 math compacted into one year. Instruction is focused on applying methods to examine and solve a variety of mathematical and real-world problems. Increased rigor, extended learning, and faster pacing occur, thereby challenging students with strong math skills. Students are more engaged because the pace of the class fits their needs and level of comprehension.

### Students in Advanced classes will need to demonstrate they are...

- ◆ Ready to extend their base knowledge of math concepts using a variety of models to represent what they know and justify their reasoning.
- ◆ Strong in discourse (discussion), focused on mathematical discovery (calculation), problem-solving, and application of rigorous concepts.
- ◆ Comfortable in asking questions
- ◆ Prepared to communicate mathematics verbally and in writing to explain discoveries and deep understanding of math in theory and the real world
- ◆ Self-motivated to complete homework, actively participate in class, and perform well on assessments
- ◆ Fluent in math facts
- ◆ Intellectually curious, eager for knowledge, like to inquire, and research
- ◆ Self-motivated and Independent in work and study

### Possibilities

Successful completion of Grade 6 Advanced Math will prepare students for the challenges of Advanced Math in Grade 7 and **Klein Prep (KP) Algebra 1** in Grade 8 (*supports SB 2124*) preparing students for future High School KP and AP coursework. Students will earn High School Credit while in intermediate but grades in these courses will not contribute to their High School GPA.

### How Does this Course Impact STAAR Testing?

To comply with state and federal requirements students will be required to take the following assessments:

- ⇒ As a 6th grader in Advanced Math, students will take the Grade 6 Math STAAR assessment.
- ⇒ As a 7th grader in Advanced Math, students will take the Grade 8 Math STAAR assessment.
- ⇒ As an 8th grader in **(KP) Alg 1**, students will take the Algebra I EOC.

**\*Students who take Algebra EOC in intermediate school will be required to take the SAT or ACT in high school.**



# Placement Criteria

## Advanced Math Pathway

### \*Student placement will be based on the data points listed below:

- Gifted Identification (*Math Specific*) through the Advanced Academics Services identification process.
- Students will **automatically** be placed in Grade 6 Advanced Math based on STAAR performance at the 60th percentile or above on Grade 5 STAAR
- NWEA Grade 5 Spring MAP Score at the 75th percentile or above

\*Students are not eligible if they score below the 50th percentile on Grade 5 STAAR

\*Students can gain eligibility for Advanced Pathways based on future STAAR performance

\* Parent/guardian wishing to decline enrollment - please see the campus counselor

## FREQUENTLY ASKED QUESTIONS

### Do students earn GT credit for Grade 6 Advanced Mathematics?

No, students qualifying for gifted and talented instructional services receive advanced grade point credits once they are students in high school taking eligible courses. Intermediate gifted students receive rigorous instructional services within advanced/accelerated/GT courses.

### Upon successful completion of Grade 6 Advanced Mathematics, what courses should they take in Grade 7?

Students who are successful in Grade 6 Advanced Math will be placed in Grade 7 Advanced Math. If a student is not successful (below the 50% percentile on Grade 6 STAAR ) they will be placed in Gr 7 math to ensure appropriate mathematical support.

### If a student is not successful, when will students be exited from the Grade 6 Advanced Mathematics course?

NWEA MAP scores and grades at the end of each grading period will be reviewed. Students who are not showing success will be exited following a parent/family conference. The Klein Math goal is to ensure students receive math instruction tailored to the rigor and pacing needs appropriate for student success.

### Do all Klein campuses offer Grade 6 Advanced Math? Yes.

### Do students taking Klein Prep (KP) Algebra 1 at the intermediate campus earn high school credit?

Yes, the credit earned in Algebra 1 will be recorded on their high school transcript, but the grade point values will not be averaged toward their overall high school class ranking. The Algebra 1 EOC will count toward a student's high school graduation requirements under House Bill 5.

### What are NCAA Course Work Requirements?

Three years of *approved* NCAA core courses in math (Alg 1 or higher)

\* Courses taken in Intermediate can count toward the NCAA requirement.

*\*If you have questions please reach out to your campus counselor*