



MATH PATHWAYS ELEMENTARY TO MIDDLE SCHOOL

MISD MATHEMATICS: MEETING THE NEEDS OF OUR STUDENTS

When transitioning from one math class to the next, our goal is for students to encounter rigorous learning experiences at their assessed/demonstrated instructional level.

This will position students to successfully meet high expectations and demonstrate proficiency in the Mathematical Content Standards and also the Standards for Mathematical Practices.



* INTERESTS IN CHANGE:

1. Ensuring appropriate placement in math courses for student success
2. Moving students through a progression of math courses without skipping content
3. Providing an opportunity for all students who are ready to reach Algebra 1 at IMS
4. Providing multiple math course options for students; on-ramps and off ramps as needed.



COMMITMENTS TO MATH COURSE PATHWAYS



- ✦ MISD is committed to providing a typical grade-level math progression; however, we recognize students vary in their readiness for math learning.
- ✦ MISD is committed to providing access for students to engage in the most appropriate mathematical courses and experiences.
- ✦ MISD is committed to creating multiple pathways for students to accomplish this goal via “on ramps and off ramps”.

Firm Goals:

1. All students will demonstrate proficient mathematical skills identified in a specific course or grade level.
2. Through a consecutive progression of mathematical courses, all students will receive rigorous and challenging instruction designed to promote learning at a particular math level.

Flexible Means:

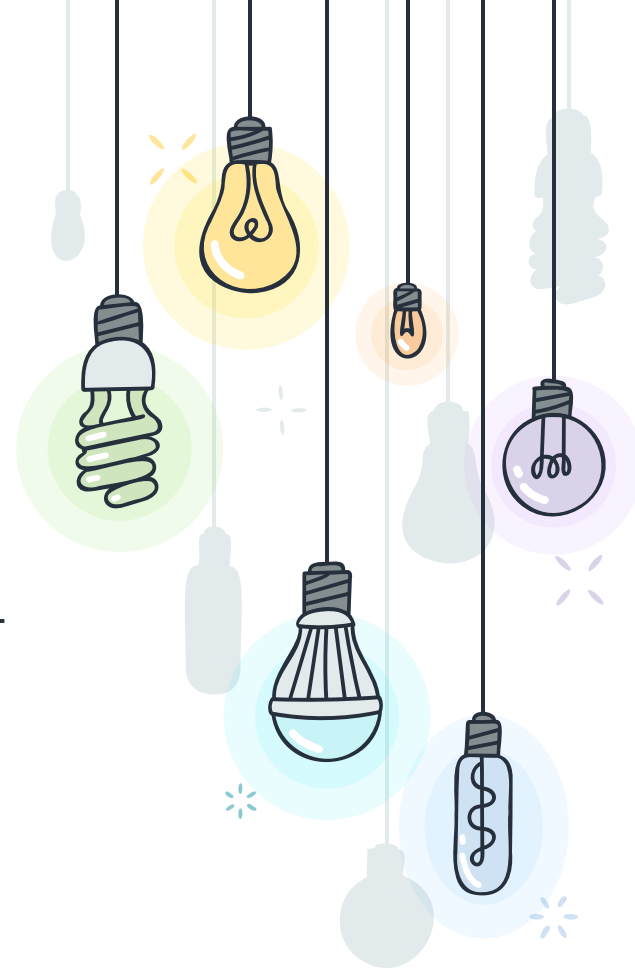
1. Students will have equitable opportunities to show readiness to participate in the most appropriate math course.
2. MISD will provide multiple opportunities for a student to be placed in the progression of mathematical courses *via "on ramps"* with *"off ramps"* when applicable.

MISD Values:

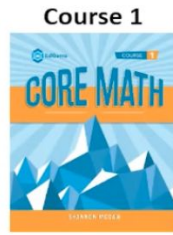
1. Provide rigorous and challenging learning for all students.
2. Create equitable access to these math progression pathways.

2 MAJOR CHANGES TO MATH AT IMS

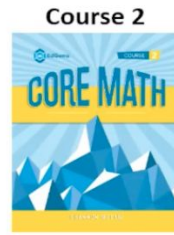
1. Course title changes
2. Addition of new “compacted” math course starting in 2023/2024 school year



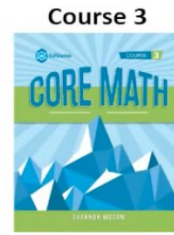
Pathway A



6th Grade CCSS



7th Grade CCSS



8th Grade CCSS

NEW Compacted Math Course!

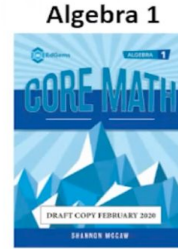
Pathway B



6th Grade CCSS

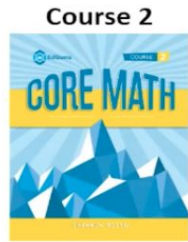


Combined 7th &
8th Grade CCSS

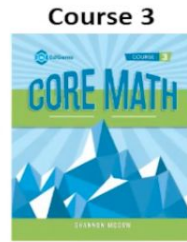


Algebra 1 CCSS

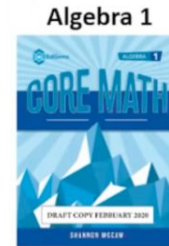
Pathway C



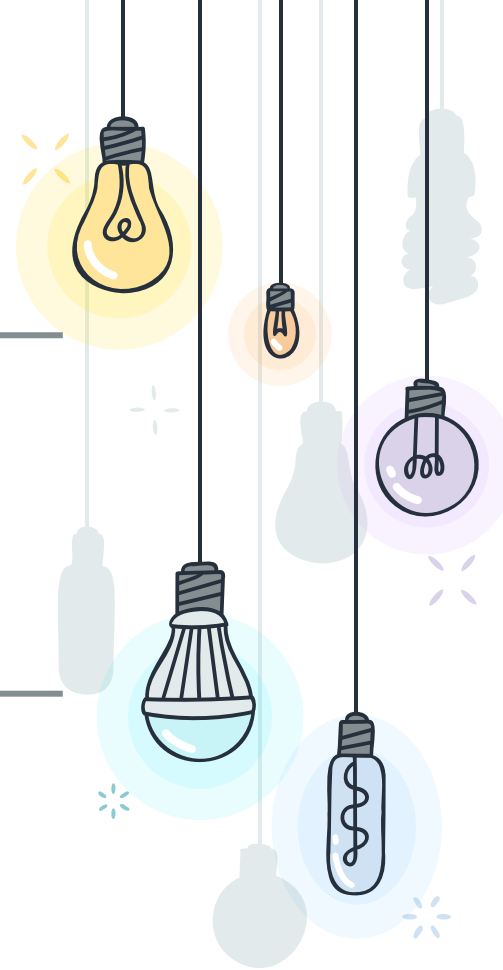
7th Grade CCSS



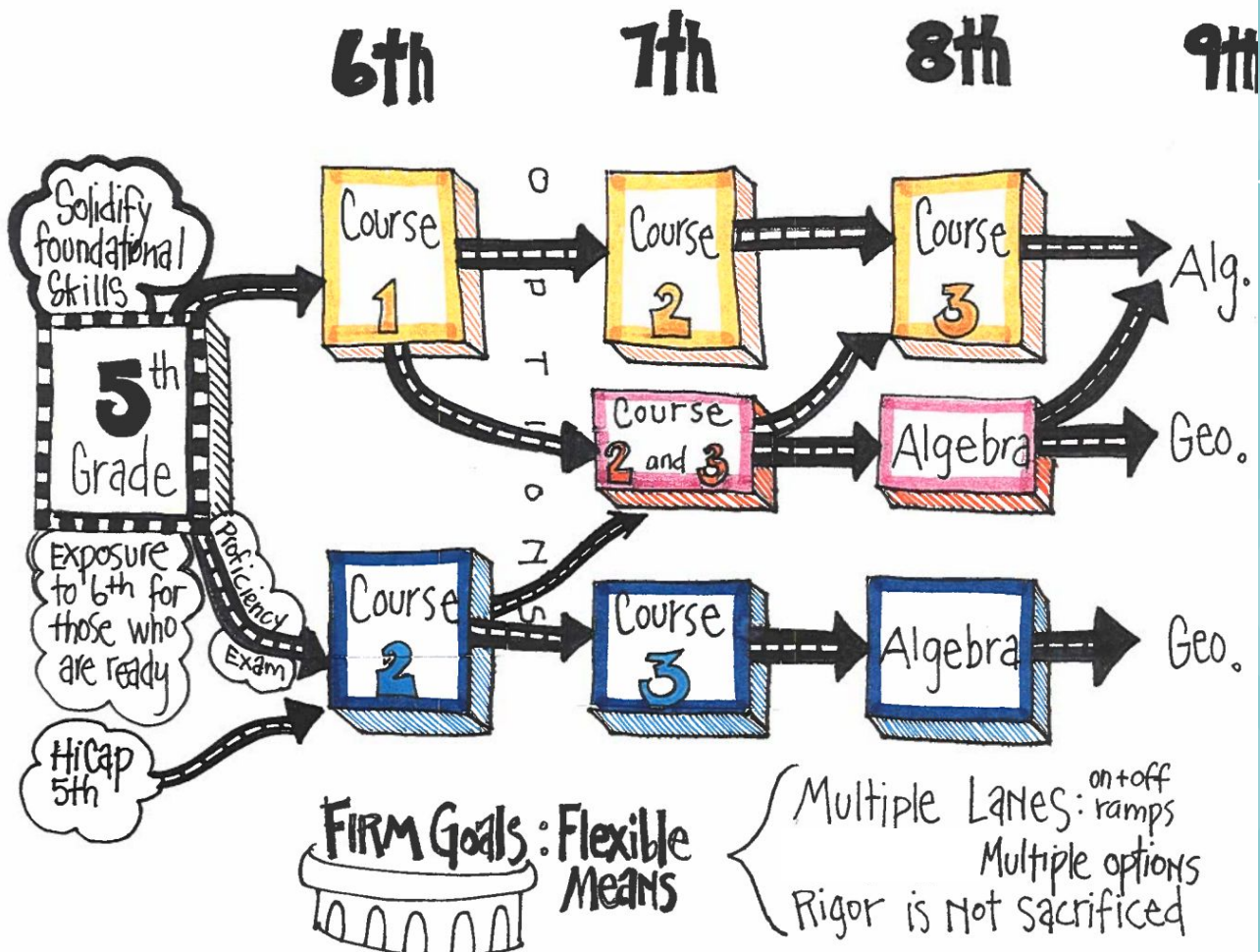
8th Grade CCSS



Algebra 1 CCSS



Flexible Pathways: On-ramps & Off-ramps when needed



Math Pathways (A & B) by Student Grade

5

5th Grade: CC State Standards with exposure to 6th grade standards

6

6th Grade: CC State Standards (Course 1)

7

7th Grade: CC State Standards (Course 2)
- OR -
Compacted 7th Grade & 8th Grade: Course 2/3

8

8th Grade: CC State Standards (Course 3)
- OR -
Algebra I

**NEW
COURSE!!**



Math Pathway C

5

Sixth Grade CCSS: Course 1

6

Seventh Grade CCSS: Course 2

7

Eighth Grade CCSS: Course 3

8

Algebra 1



Math Pathway for Unique Circumstances

6 Eighth Grade CCSS: Course 3

7 Algebra 1

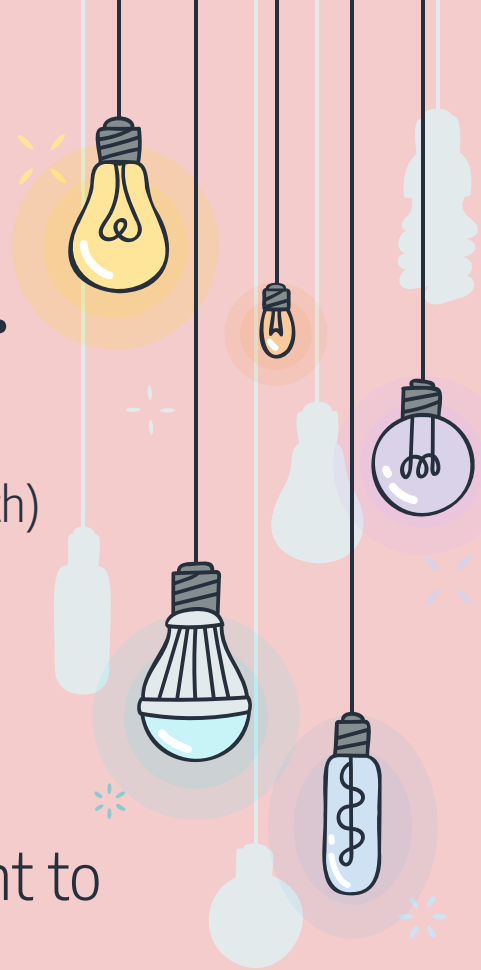
8 Geometry

WHAT IS COURSE 2/3?

Course 2/3 is a compacted math course.

This is a rigorous, fast-paced course that combines Course 2 (Seventh Grade math) and Course 3 (Eighth Grade math) into one school year of instruction.

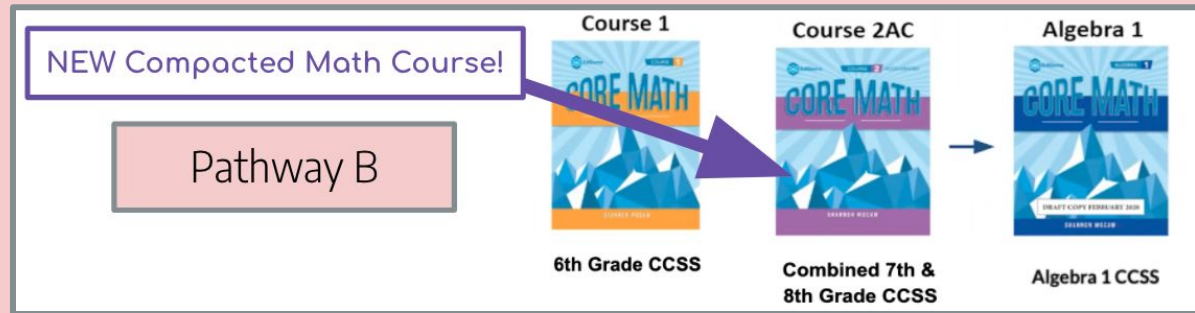
Students enrolled in Course 2/3 (*Compacted Math*) should have a strong foundation in mathematics, a high-interest for the subject, and make a commitment to actively engage in the learning.



WHAT IS THE PURPOSE OF THIS COMPACTED COURSE?



The **purpose** of Course 2/3
(Compacted Math) is for interested students
to complete two years of math content
in one school year without skipping
any math topics.



WHAT HAPPENS AT THE END OF COURSE 2/3?

Students who have found success and still enjoy math will move to Algebra I in 8th grade.

Similarly, students who find the process overly challenging, need more time to learn, or discover that math is not a passion can take Course 3 in 8th grade with the added benefit of already being familiar with the learning objectives.



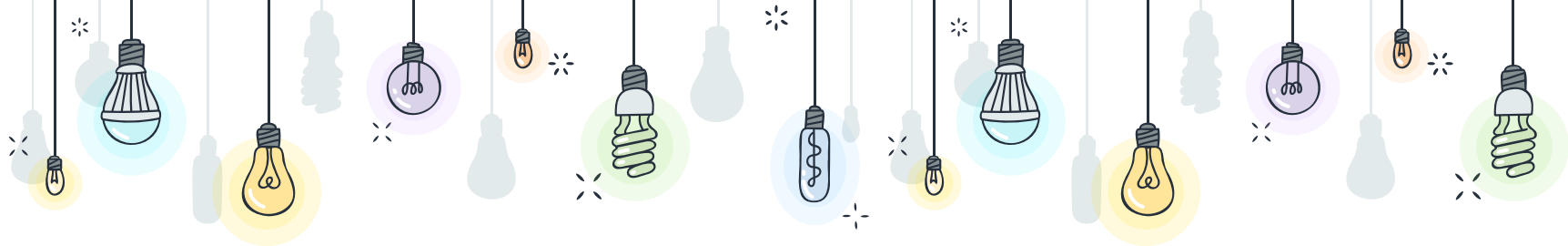
ACCESS TO THE COMPACTED MATH COURSE

Access to Course 2/3 (*Compacted Seventh and Eighth Grade math*) will be made available to all students that demonstrate interest and readiness at the end of 6th grade.

Course 2/3 will be offered beginning in the 2023-2024 school year.

Current Gen-ed 5th-grade students who feel they would benefit from enrolling into Course 2 (*Formerly 7th Grade Math*) as a 6th grader will have access to a Sixth-Grade Standards-Based proficiency exam. These results, as well as performance on the Fifth Grade Smarter Balanced Assessment, will determine placement for students wishing to enroll in Course 2.





Resources for Families

<p style="text-align: center;"><u>Standards for Mathematical Practice</u></p>	<p style="text-align: center;"><u>EdGems</u> Core Adoption Information</p>	<p style="text-align: center;">High School CCSS <u>Number & Quantity</u> <u>Algebra</u></p>	<p style="text-align: center;"><u>Nomination Forms</u> for Math Course Placement</p>
<p style="text-align: center;">Common Core State Standards <u>Grade 5</u> <u>Grade 6</u> <u>Grade 7</u> <u>Grade 8</u></p>	<p style="text-align: center;"><u>Key Shifts in Mathematics Common Core State Standards Initiative</u></p>	<p style="text-align: center;"><u>TED TALK: Sal Khan: Let's teach for mastery -- not test scores</u></p>	<p style="text-align: center;">MISD Math Pathway_FAQ</p>