

Elementary Math

Elementary Math Pathways

Grade Level and Accelerated

Math 3 → Grade level: Math 4 → Math 5

Accelerated:
Math 3/4 Accelerated → Math 4/5 Accelerated → Math 5/6 Accelerated

Elementary mathematics

- Students learn best and can reach their full potential in an environment where they feel comfortable and confident. Young math students need time to build their math abilities.
- Regardless of which math class students take in elementary school, there are many opportunities to advance in both middle school and high school. Placing students in the correct class in elementary school is critical to their long-term success and enjoyment of math.

Elementary mathematics

- ◉ The Accelerated Pathway at R. Roger Rowe Elementary is designed to provide high performing mathematics students the ability to learn grade level standards at a quicker pace, as well as content standards from the next grade level. In these classes, math problems on homework and tests are more challenging and require strong critical thinking skills and the tenacity to work through more advanced work.
- ◉ In some circumstances, early acceleration has resulted in a great student losing confidence in their math skills because the pace is too fast or the concepts are too challenging.
- ◉ No matter what course your child is in, differentiation occurs throughout the year. Students complete problem solving tasks, explaining their mathematical reasoning, justifying answers, and use visual representation to demonstrate their knowledge.

Grade Level

What to expect:

- Interactive tasks where students learn by doing mathematics
- A mix of independent, small-group and whole-group learning
- Opportunities to discuss math with peers.
- Use of manipulatives and visual representations to model mathematically
- Review of previous concepts woven into each unit
- Concepts are developed over the course of the year allowing adequate time for students to review and practice until mastery

Accelerated Level

What to expect:

All expectations listed for Grade Level plus:

- An increased coursework load including above grade-level lessons, and units of study
- Students have strong foundational knowledge allowing lessons and instruction to move at a faster pace.
- Course will cover grade level material as well as concepts from the next grade level
- More time required at home to complete assignments and prepare for tests
- Higher-level thinking questions on classwork, homework, as well as assessments
- Percentage grades on unit assessments in addition to standards based grading on grade level material.

Proposed Math Curriculum for 2023-2024 School Year

Grade Level

Curriculum

K-2

Everyday Math

Grade 3 - 5 (grade level)

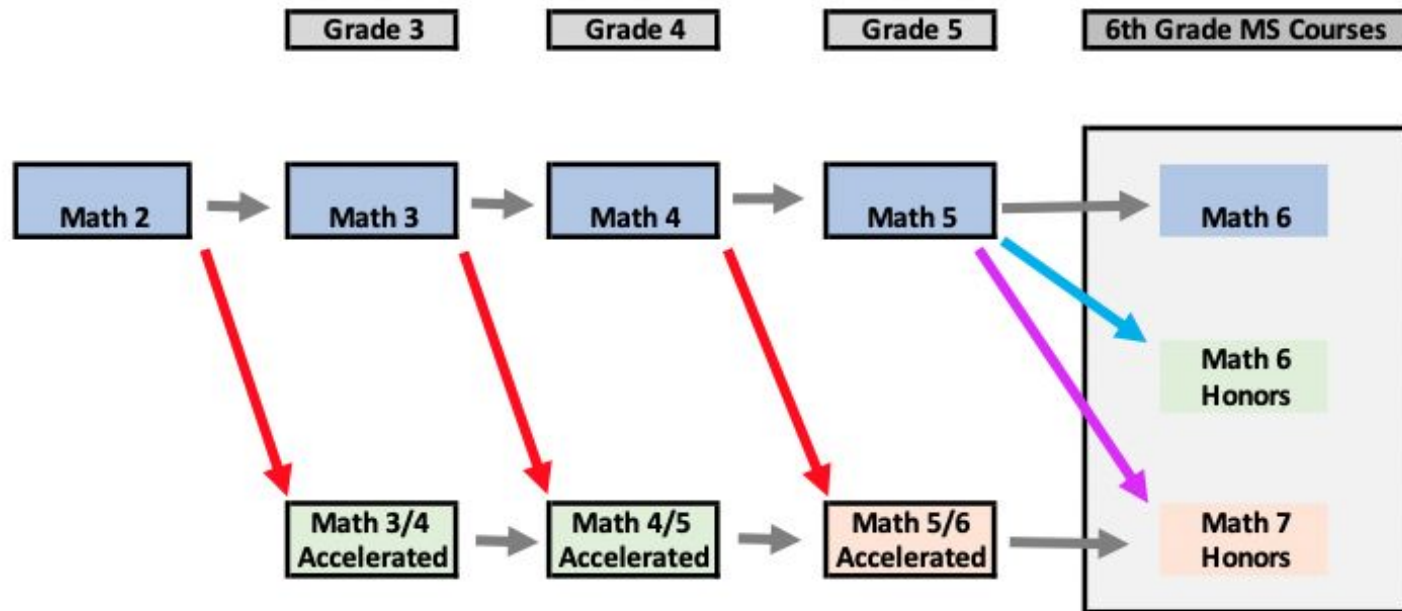
Everyday Math




Math 3/4 Accelerated
Math 4/5 Accelerated
Math 5/6 Accelerated

Open Up Resources

*All classes use supplementary resources in addition to the formal curriculum.

Math Pathways for students in grades 3-8



-  indicates **open enrollment**. Suggested criteria in class description
-  indicates student must meet **required** criteria
-  indicates **student must complete a summer bridge course and pass an entrance exam.**

Characteristics & Criteria

Qualitative Criteria: The Accelerated Student...

- masters concepts quickly, thrives working in a faster-paced, rigorous curriculum
- shows a high level of engagement during classroom math instruction - enjoys exploring math and wants to understand how and why concepts connect
- has the ability to persevere through challenging tasks independently

Quantitative Criteria: The Accelerated Student has the following scores:

- District Benchmark 85% or higher
- Grade Level Performance Task Score of 4 out of 4
- Score of Level 4 (standard exceeded) on SBAC

** In the situation where a student is close to the listed criteria (for example, earns an 83% on the benchmark instead of an 85%), the teacher or principal will contact you to discuss the right placement for your student at that time.*

Grade 2

To Qualify for the Accelerated Pathway:

- ⦿ All 2nd grade students will take a grade-level mathematics benchmark test on the 2nd grade math standards in May.
- ⦿ Test questions are designed to assess advanced-level thinking. Students who score 85% or above and meet the criteria previously listed will be placed in Math 3/4 Accelerated with parent permission.

Grade 3

To Qualify for the Accelerated Pathway:

- ◉ 3rd grade students currently in grade level math will move into 4th grade math the following year.
- ◉ Students currently in grade level math who wish to apply for Math 4/5 Accelerated will take a grade-level mathematics benchmark test in May. Test questions are designed to assess advanced-level thinking. Students who score 85% or above in addition to meeting the previously listed criteria will have the option to enroll in Math 4/5 accelerated.
- ◉ 3rd grade students currently enrolled in Math 3/4 Accelerated will automatically be placed in Math 4/5 Accelerated.

Grade 4

To Qualify for the Accelerated Pathway:

- ◉ 4th grade students currently in grade level math will move into 5th grade math the following year.
- ◉ Students currently in grade level math who wish to apply for Math 5/6 Accelerated will take a grade-level mathematics benchmark test in May. Test questions are designed to assess advanced-level thinking. Students will need to score an 85% or above in addition to meeting the previously listed criteria. We recommend that students complete an independent academic summer program through Khan Academy to prepare for entering Math 5/6.
- ◉ 4th grade students currently enrolled in Math 4/5 Accelerated will automatically be placed in Math 5/6 Accelerated.

Grade 5

To Qualify for the Accelerated Pathway:

- 5th grade students currently in grade level math will have the option to enroll in Math 6 or Math 6 Honors for 6th grade.
- Middle School Honors courses have open enrollment with recommended criteria for parent and student consideration.

Grade 5

To Qualify for the Accelerated Pathway:

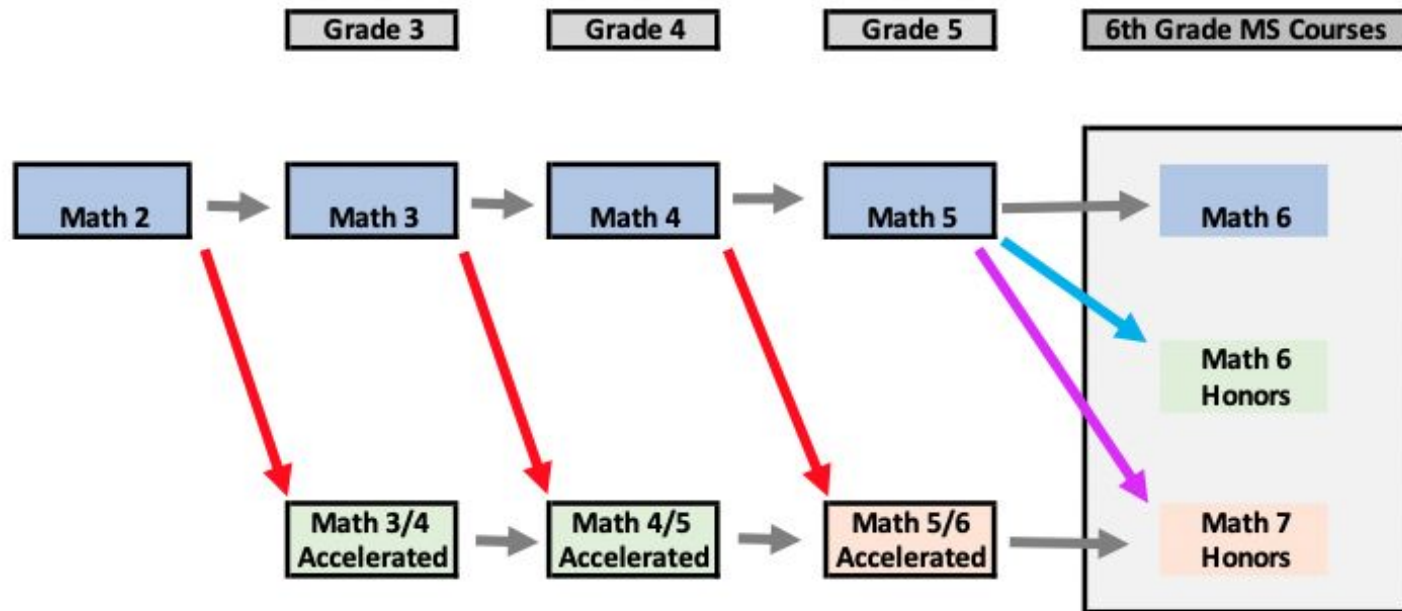
- ◉ 5th grade students currently in grade level math who wish to apply for the accelerated class (Math 7 Honors) will need to do the following:
 - Take the district grade level benchmark test in May. It is recommended that students earn at least an 85% to move forward with our Bridging program.
 - Take the recommended bridge course over the summer using Khan Academy to learn required 6th grade math standards. This is self-paced and done by the student at home.
 - In early August, students must take a second benchmark test covering the 6th grade math standards the student learned over the summer. They **must** demonstrate mastery of this content by earning a score of 85% or above. These students will be enrolled in Math 7 Honors for their 6th grade year.


Grade 5

To Qualify for the Accelerated Pathway:


- Fifth grade students currently enrolled in Math 5/6 Accelerated will be placed in Math 7 Honors for 6th grade.
- Students with an overall grade less than 85% in Math 5/6 Accelerated are strongly encouraged to complete Khan Academy assignments over the summer. These assignments will help your child be successful in Math 7 Honors.

Math Pathways for students in grades 3-8



 indicates **open enrollment**. Suggested criteria in class description

 indicates student must meet **required** criteria

 indicates **student must complete a summer bridge course and pass an entrance exam.**