

6th Grade Math Course Selection



2021-2022

GRADE 6



Course	What does this course cover?	Who should take this course?
6th Grade Math, Academic (On-Level/Approaching Level)	This course covers all 6th grade TEKS . Students will take the 6th grade STAAR.	Students who: <ul style="list-style-type: none"> • Maintained a class average below 80 in 5th grade • Received “Approaches Grade Level” or were unsuccessful prior year on STAAR
6th Grade Math, Honors (On-Level)	This course also covers all 6th grade TEKS . However, students will learn the standards in greater depth. Students in this course are preparing for advanced math courses in the future. Students will take the 6th grade STAAR.	Students who: <ul style="list-style-type: none"> • Maintained a class average of 80 - 90 in 5th grade • Received “Meets Grade Level” on prior year STAAR
6th Grade Math, Accelerated (Beyond Level)	This course covers the 6th grade TEKS and all of 7th grade TEKS with greater rigor and depth. Students in this course will take the 6th grade STAAR.	Students who: <ul style="list-style-type: none"> • Maintained a class average of 90 or higher in 5th grade • Received “Masters Grade Level” on prior year STAAR

G R A D E 7



Course	What does this course cover? (For a complete description, see the course guide.)	Who should take this course?
7th Grade Math, Academic (On-Level/Approaching Level)	This course covers all 7th grade TEKS . Students will take the 7th grade STAAR.	Students who: <ul style="list-style-type: none"> • Maintained a class average below 80 in 6th grade • Received “Approaches Grade Level” or were unsuccessful prior year on STAAR
7th Grade Math, Honors (On-Level)	This course also covers all 7th grade TEKS . However, students will learn the standards in greater depth. Students in this course are preparing for advanced math courses in the future. Students will take the 7th grade STAAR.	Students who: <ul style="list-style-type: none"> • Maintained a class average of 80 - 90 in 6th grade • Received “Meets Grade Level” on prior year STAAR
7th Grade Accelerated Math (Beyond Level)	This course covers part of 7th grade TEKS and all of 8th grade TEKS with greater rigor and depth. Students in this course will take Algebra 1 in the 8th grade. Students will take the 8th grade STAAR.	Students who: <ul style="list-style-type: none"> • Maintained a class average of 90 or higher in 6th grade • Received “Masters Grade Level” on prior year STAAR
7th Grade GT Accelerated Math (Beyond Level)	This course covers part of 7th grade TEKS and all of 8th grade TEKS with greater rigor and depth using teaching strategies geared for GT students. Students in this course will take Algebra 1 in the 8th grade. Students will take the 8th grade STAAR.	Students who: <ul style="list-style-type: none"> • Have been identified as Gifted and Talented • Maintained a class average of 90 or higher in 6th grade • Received “Masters Grade Level” on prior year STAAR

GRADE 8



Course	What does this course cover? (For a complete description, see the course guide.)	Who should take this course?
<p>8th Grade Math, Academic (On-Level/Approaching Level)</p>	<p>This course covers all 8th grade TEKS. Students will take 8th Grade STAAR.</p>	<p>Students who:</p> <ul style="list-style-type: none"> Maintained a class average below 80 in 7th grade math Received "Approaches Grade Level" or were unsuccessful prior year on STAAR
<p>8th Grade Math, Honors (On-Level)</p>	<p>This course also covers all 8th grade TEKS. However, students will learn the standards in greater depth. Students in this course are preparing for advanced math courses in the future. Students will take 8th Grade STAAR.</p>	<p>Students who:</p> <ul style="list-style-type: none"> Maintained a class average of 80 - 90 in 7th grade math Received "Meets Grade Level" on prior year STAAR
<p>Algebra 1 (Beyond Level)</p> <p>Prerequisite: 7th Grade Accelerated (8th grade TEKS)</p>	<p>This course covers Algebra 1 TEKS. Algebra 1 is a high school level class. Therefore, the grade for this course will be calculated in the student's GPA. Students will take Algebra 1 STAAR.</p>	<p>Students who:</p> <ul style="list-style-type: none"> Maintained a class average of 80 - 90 in 7th grade Accelerated Math Received "Masters Grade Level" on prior year STAAR
<p>Pre-AP Algebra 1 (Beyond Level)</p> <p>Prerequisite: 7th Grade Accelerated (8th grade TEKS)</p>	<p>This course covers Algebra 1 TEKS with greater rigor and depth. The expectation is that students will continue with advanced math. Algebra 1 is a high school level class. Therefore, the grade for this course will be calculated in the student's GPA. Students will take Algebra 1 STAAR.</p>	<p>Students who:</p> <ul style="list-style-type: none"> Maintained a class average of 90 or higher in 7th grade Accelerated Math Received "Masters Grade Level" on prior year STAAR
<p>Pre-AP Algebra 1 GT (Beyond Level)</p> <p>Prerequisite: 7th Grade Accelerated (8th grade TEKS)</p>	<p>This course covers Algebra 1 TEKS with greater rigor and depth using teaching strategies geared for GT students. The expectation is that students will continue with advanced math. Algebra 1 is a high school level class. Therefore, the grade for this course will be calculated in the student's GPA. Students will take Algebra 1 STAAR.</p>	<p>Students who:</p> <ul style="list-style-type: none"> Have been identified as Gifted and Talented Maintained a class average of 90 or higher in 7th grade Accelerated Math Received "Masters Grade Level" on prior year STAAR

Middle School Math Course Sequencing 2021-2022

Student Levels	6 th Grade	7 th Grade	8 th Grade
Approaching Level: <ul style="list-style-type: none"> • I maintained a class average below 70. • I received Approaches Grade Level on STAAR. or I maintained a class average above 70. • I was unsuccessful on my Math STAAR.* or I maintained a class average of 70-75. 	<i>6th Grade Math</i>	<i>7th Grade Math</i> <i>*Math Quest is offered as an elective course for students who have failed previous year STAAR Mathematics.</i>	<i>8th Grade Math</i> <i>*Math Quest is offered as an elective course for students who have failed previous year STAAR Mathematics.</i>
On Level: <ul style="list-style-type: none"> • I maintained a class average of 75-80. • I received Meets Grade Level on STAAR. 	<i>6th Grade Math</i>	<i>7th Grade Math</i>	<i>8th Grade Math</i>
Honors Level: <ul style="list-style-type: none"> • I maintained a class average of 80-90. • I received Masters Grade Level on STAAR. 	<i>6th grade Honors</i>	<i>7th Grade Math Honors</i>	<i>8th Grade Math Honors</i>
Beyond Level: <ul style="list-style-type: none"> • I maintained a class average of 80-90 (for enrollment in Algebra 1) • I maintained a class average of 90-100 (for enrollment in PAP Algebra1 or PAP GT Algebra 1). • I received Masters Grade Level on STAAR. 	<i>6th Grade Accelerated</i> <i>This course will cover the 6th grade and a portion of the 7th grade standards.</i> <i>Students will take the 6th grade STAAR</i>	<i>7th Grade Accelerated</i> or <i>7th Grade GT Accelerated*</i> <i>Both of these courses are a combination of 7th and 8th standards :therefore, these students will take 8th grade STAAR.</i> <i>*For students who have been identified as Gifted and Talented (GT)</i>	<i>Algebra 1 Pre-AP, Algebra 1 PAP GT*,</i> or <i>Algebra 1</i> <i>Prerequisite: 7th Grade Accelerated Math or 8th Grade Math</i> <i>Both Algebra 1 courses are for high school credit and will be calculated in the student's GPA.</i> <i>Students will take Algebra 1 EOC.</i> <i>*For students who have been identified as Gifted and Talented (GT)</i>
For students pursuing the Nursing RN or Nursing LVN path at Collegiate Academy: Beyond Level: <ul style="list-style-type: none"> • I maintained a class average of 90-100. • I received Masters Grade Level on STAAR. 	<i>6th Grade Accelerated</i> <i>This course will cover the 6th grade and a portion of the 7th grade standards.</i> <i>Students will take the 6th grade STAAR</i>	<i>7th Grade Accelerated</i> or <i>7th Grade GT Accelerated*</i> <i>Both of these courses are a combination of 7th and 8th standards :therefore, these students will take 8th grade STAAR.</i> <i>*For students who have been identified as Gifted and Talented (GT)</i>	<i>Compacted Algebra 1/Algebra 2 PAP</i> <i>Prerequisite: 7th Grade Accelerated Math or 8th Grade Math</i> <i>Both Algebra 1 and Algebra 2 are for high school credit and will be calculated in the student's GPA.</i> <i>Students will take Algebra 1 EOC.</i>

High School School Math Course Sequencing 2021-2022

Student Levels	9th Grade	10th Grade	11th Grade	12th Grade
Approaching Level: <ul style="list-style-type: none"> I failed my math class. I passed my Math STAAR. or <ul style="list-style-type: none"> I passed my math class. I failed my Math STAAR. or <ul style="list-style-type: none"> I passed my math class (70-75 average). I passed my Math STAAR at Approaches Grade Level. 	Algebra 1	Geometry and/or Algebraic Reasoning	Geometry, Algebraic Reasoning, or Math Models.	College Preparatory Math (TSI)
		Algebraic Reasoning, Algebra 2, and Geometry 2 years, self-paced, compacted course 10th & 11th or 11th & 12th		
On Level: <ul style="list-style-type: none"> I passed my math class. I passed my Math STAAR at Meets Grade Level. 	Algebra 1	Geometry	Choose 1 course: <ul style="list-style-type: none"> Algebra 2 OnRamps College Algebra Algebraic Reasoning 	Algebra 2, Pre-Calculus, or Statistics
	Algebra 1, Algebra 2, and Geometry 2 years, self-paced, compacted course		Pre-Calculus	*Students who are not planning on taking Calculus in High School or in College do not need to take Pre-Calculus*
Beyond Level: <ul style="list-style-type: none"> I passed my Algebra 1 course in 8th grade. I passed my Algebra 1 EOC at Masters Grade Level. 	Geometry Advanced	Algebra 2 Pre-AP or OnRamps College Algebra	Choose 1 course: <ul style="list-style-type: none"> Pre-Calculus Pre-AP Pre-Calculus OnRamps AP Statistics Statistics OnRamps Statistics (on-level) 	Pre-Calculus, Calculus, AP Statistics, or Statistics OnRamps
Accelerated Math (Option 1): <ul style="list-style-type: none"> I passed my math class with an 80% or higher. I passed my Math STAAR at Masters Grade Level. 	Algebra 1 Pre-AP	Geometry Pre-AP	Accelerated Algebra 2/ Pre-Calculus or OnRamps College Algebra	Calculus, AP Statistics, Statistics OnRamps or Pre-Calculus
Accelerated Math (Option 2): <ul style="list-style-type: none"> I passed my Algebra 1 Pre-AP course in 8th grade with an 80% or higher. I passed my Algebra 1 EOC at Masters Grade Level. 	Geometry Pre-AP	Accelerated Algebra 2/ Pre-Calculus	Calculus, AP Statistics or Statistics OnRamps	Linear Algebra/ Multivariable Calculus (Students who have completed Calculus BC)

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