

**Eanes ISD**  
**5th - 12th Grade**  
**Math Pathways**  
**Family Handbook**



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# Math 5th - 12th Courses

<b>Grade Level</b> Cover The Grade Level TEKS	<b>Advanced</b> Go Deeper On The Grade Level TEKS and/or Cover College Board Standards	<b>Accelerated</b> Gets a Student 1 Year Ahead on the Course Sequence (faster not deeper)
Math 5 Math 6 Math 7 Math 8 Algebra 1 Geometry Algebra 2 Pre-Calculus Statistics Calculus	Algebra 1 Honors Geometry Honors Algebra 2 Honors AP Pre-Calculus AP Statistics AP Calculus AB AP Calculus BC Beyond Statistics Linear Algebra (0.5) & Multivariable Calculus (0.5)	Math 5/6 Compacted Math 6 Accelerated Math 8 Accelerated Math 7/8 Compacted Correspondence Courses (6th -12th Courses Only) Credit By Exams (6th - 12th Grade Only)



# Mathematics Pathways Descriptions

What level of math do you want your student(s) to reach or have the opportunity to reach by the end of high school?

- **College Prep Level** - These courses are designed to prepare students for success in entry-level college courses.
  - Example: **Pre-Calculus & Statistics**
- **College Level AP Non-Calculus** - These courses are designed to give students entry-level college math credit.
  - Example: **AP Pre-Calculus & AP Statistics**
- **College Level Calculus & AP Calculus** - These courses are designed to give students college level calculus experience or math credit.
  - Example: **Calculus & AP Calculus AB & AP Calculus BC**
- **Beyond AP** - These courses are design to go beyond an entry-level college math credit courses.
  - Example: **Linear Algebra (0.5) & Multivariable Calculus (0.5) & Beyond AP Statistics**



# College Prep Level Pathway

## College Prep Level Pathway-

This pathway is designed to prepare students for success in entry-level college courses.

Example: **Pre-Calculus & Statistics**

**Does not require acceleration.**

Grade Level	Grade Level Pathway (Non-STEM)	Grade Level Pathway (STEM)
5th Grade	Math 5	Math 5
6th Grade	Math 6	Math 6
7th Grade	Math 7	Math 7
8th Grade	Math 8	Math 8
9th Grade	Algebra 1 or Algebra 1 Honors	Algebra 1 or Algebra 1 Honors
10th Grade	Geometry or Geometry Honors	Geometry or Geometry Honors
11th Grade	Algebra 2 or Algebra 2 Honors	Algebra 2 or Algebra 2 Honors
12th Grade	Statistics	Pre-Calculus



# College Level Non-Calculus Pathway

## College Level Non-Calculus Pathway

This pathway is designed to give students 1 entry-level college math credit by the time they graduate.

Example: **AP Statistics & AP Pre-Calculus**

**Does not require acceleration**

Grade Level	Grade Level Pathway (Non- STEM)	Grade Level Pathway (STEM)
5th Grade	Math 5	Math 5
6th Grade	Math 6	Math 6
7th Grade	Math 7	Math 7
8th Grade	Math 8	Math 8
9th Grade	Algebra 1 or Algebra 1 Honors	Algebra 1 or Algebra 1 Honors
10th Grade	Geometry or Geometry Honors	Geometry or Geometry Honors
11th Grade	Algebra 2 or Algebra 2 Honors	Algebra 2 or Algebra 2 Honors
12th Grade	AP Statistics	AP Pre-Calculus



# College Level Calculus Pathway

## College Level Calculus Pathway

This pathway is designed to give students 1 entry-level college calculus math credit.

Example: **Calculus & AP Calculus AB & AP Calculus BC**

**Requires single acceleration**

Grade Level	Single Accelerated Pathway	Single Accelerated Pathway
5th Grade	Math 5	Math 5
6th Grade	Math 6	<b>Math 6 Accelerated</b>
7th Grade	<b>Math 7/8 Compacted</b>	<b>Math 8 Accelerated</b>
8th Grade	Algebra 1 or Algebra 1 Honors	Algebra 1 or Algebra 1 Honors
9th Grade	Geometry or Geometry Honors	Geometry or Geometry Honors
10th Grade	Algebra 2 or Algebra 2 Honors	Algebra 2 or Algebra 2 Honors
11th Grade	AP Pre-Calculus	AP Pre-Calculus
12th Grade	Calculus, AP Calculus AB, or AP Calculus BC	Calculus, AP Calculus AB, or AP Calculus BC



# Beyond AP Pathways

## Beyond AP Calculus Pathway

This pathway is designed to give students 1 entry-level college calculus math credit and 1 local credit beyond an entry-level college math credit.

Example: **Linear Algebra (0.5) & Multivariable Calculus (0.5) & Beyond AP Statistics**

**Requires single or double acceleration**

Grade Level	Single Accelerated Pathway	Single Accelerated Pathway	Double Accelerated Pathway
5th Grade	Math 5	Math 5	<b>Math 5/6 Compacted</b>
6th Grade	Math 6	<b>Math 6 Accelerated</b>	<b>Math 7/8 Compacted</b>
7th Grade	<b>Math 7/8 Compacted</b>	<b>Math 8 Accelerated</b>	Algebra 1 Honors
8th Grade	Algebra 1 or Algebra 1 Honors	Algebra 1 or Algebra 1 Honors	Geometry Honors
9th Grade	Geometry or Geometry Honors	Geometry or Geometry Honors	Algebra 2 or Algebra 2 Honors
10th Grade	Algebra 2 or Algebra 2 Honors	Algebra 2 or Algebra 2 Honors	AP Pre-Calculus
11th Grade	AP Statistics	AP Statistics	AP Calculus BC
12th Grade	Beyond AP Statistics	Beyond AP Statistics	Linear Algebra & Multivariable Calculus



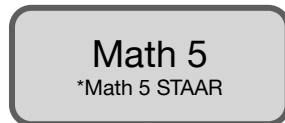


# 5th - 12th Math Pathways

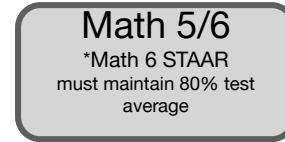
Grade Level	Grade Level Pathway	Single Accelerated Pathway	Single Accelerated Pathway	Single Accelerated Pathway	Double Accelerated Pathway
5th Grade	Math 5	Math 5	Math 5	<b>Math 5/6 Compacted</b>	<b>Math 5/6 Compacted</b>
6th Grade	Math 6	Math 6	<b>Math 6 Accelerated</b>	Math 7	<b>Math 7/8 Compacted</b>
7th Grade	Math 7	<b>Math 7/8 Compacted</b>	<b>Math 8 Accelerated</b>	Math 8	Algebra 1 Honors
8th Grade	Math 8	Algebra 1 or Algebra 1 Honors	Algebra 1 or Algebra 1 Honors	Algebra 1 or Algebra 1 Honors	Geometry Honors
9th Grade	Algebra 1 or Algebra 1 Honors	Geometry or Geometry Honors	Geometry or Geometry Honors	Geometry or Geometry Honors	Algebra 2 or Algebra 2 Honors
10th Grade	Geometry or Geometry Honors	Algebra 2 or Algebra 2 Honors	Algebra 2 or Algebra 2 Honors	Algebra 2 or Algebra 2 Honors	*Adv Math
11th Grade	Algebra 2 or Algebra 2 Honors	*Adv Math	*Adv Math	*Adv Math	*Adv Math
12th Grade	*Adv Math	*Adv Math	*Adv Math	*Adv Math	*Adv Math



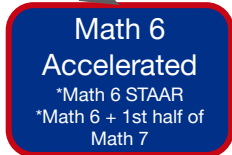
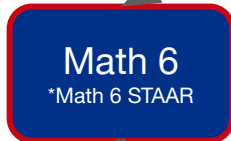
# 5th - 8th Math Course Flowchart



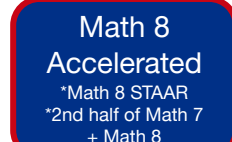
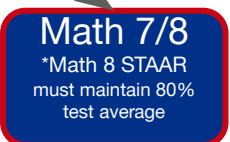
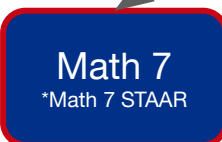
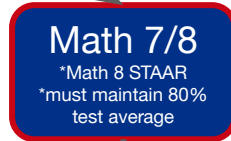
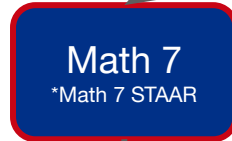
**5th Grade**



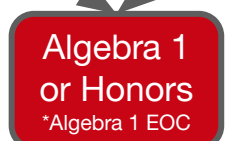
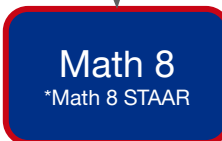
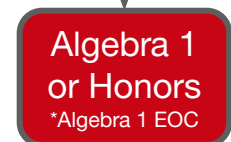
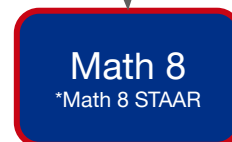
\*Math 5 STAAR Score Top 40% of State



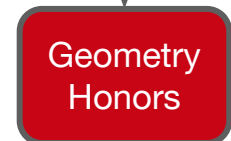
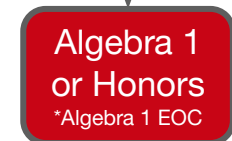
**6th Grade**



**7th Grade**



**8th Grade**



# Math Pathways Science Course Implications

The Single Acceleration Pathway is required for students who wish to take Integrated Physics and Chemistry (IPC) in 8th Grade.



# Accelerated Math Options

Eanes ISD offers three options for math acceleration:

- 1) Completion of an accelerated/compacted math course(s),
- 2) Correspondence Courses, or
- 3) Credit By Exam

Either option or combination of options can move a student ahead on a math pathway.

It is important to note all acceleration options are not advanced math course(s), but rather options to move quickly through grade level TEKS. For some students an acceleration option may not allow for the development of foundational math skills.

All three options have requirements and timelines that must be met to accelerate.

A conversation with a school counselor is recommended.



# Accelerated Math Options

## Accelerated

Gets a Student Ahead on the Course Sequence

Eanes Courses:

Math 5/6 Compacted

Math 6 Accelerated

Math 8 Accelerated

Math 7/8 Compacted

Outside Courses:

Correspondence Courses (6th -12th Courses Only)

Exams for Acceleration:

Credit By Exam



# Math 5/6 Compacted

- Covers all the the 5th and 6th Grade Math TEKS in one school year.
- Due to the pace and nature of compacting the Math 5 and Math 6 Standards into one instructional block over one school year this course is not recommend for **MOST** students.
- Successful completion of this course will prepare students for entry into Math 7/8 Compacted
- Student must maintain an 80% for an assessment average before retakes to remain in the course
- Students take the 6th Math STAAR
- Leveling down option Math 5

Recommended Pathway for: **Double Acceleration**



# Math 5/6 Compacted Placement Process

Math 5/6 placement process will consist of two parts:

Part 1) Spring MAP National Percentile

Part 2) Score on a timed placement test

The eligibility process involves a point system with students receiving points based on the below Student Data Matrix. Student must have a total of **17 points** earned or higher on the Student Data Matrix for Math 5/6 Placement:

Points Earned	10	9	8	7	6	5	4	3	2	1
Spring MAP Mathematics Percentile	+96	95-94	93-91	90-88	87-85	84-80	79-70	69-60	59-50	<49
Score Math Placement Exam	95	90-94	85-89	80-84	75-79	70-74	65-69	60-64	55-59	<54

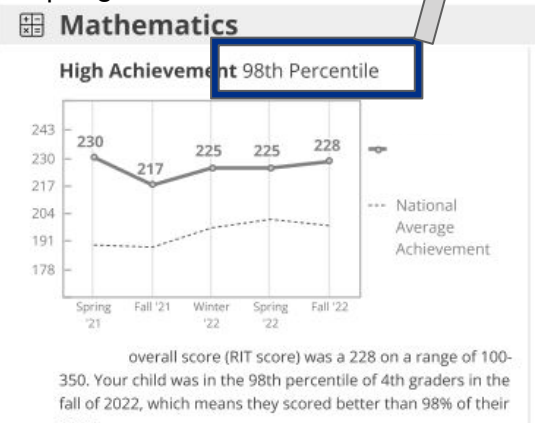


# Math 5/6 Compacted Placement Process Student A

Student must have a total of **17 points** earned or higher on the Student Data Matrix for Math 5/6 Placement:  
 Example Data Matrix for Student A.

Points Earned	10	9	8	7	6	5	4	3	3	1
Spring MAP Mathematics Percentile	+96	95-94	93-91	90-88	87-85	84-80	79-70	69-60	59-50	<49
Score Math Placement Exam	90-94	85-89	80-84	75-79	70-74	65-69	60-64	55-59	<54	

4th Grade Spring MAP Math Percentile



Total points earned **18 points**  
 Placement Math 5/6 Compacted

Percent **87%**

5th Grade Math Placement Exam Score





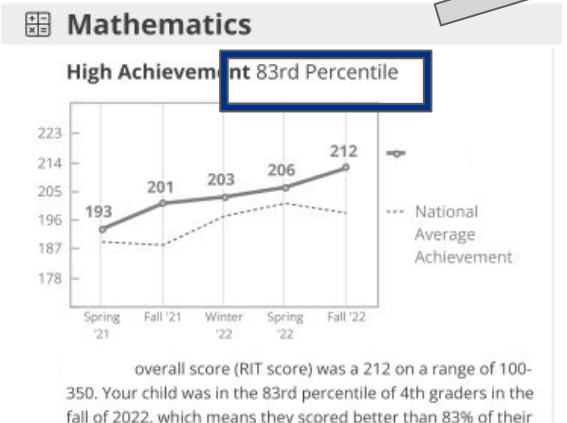
# Math 5/6 Compacted Placement Process Student B

## Student Data Matrix.

Student must have a total of **17 points** earned or higher on the Student Data Matrix for Math 5th/6th Placement:

Points Earned	10	9	8	7	6	5	4	3	3	1
Spring MAP Mathematics Percentile	+96	95-94	93-91	90-88	87-85	84-80	79-70	69-60	59-50	<49
Score Math Placement Exam	95	90-94	85-89	80-84	75-70	70-74	65-69	60-64	55-59	<54

4th Grade Spring MAP Math Percentile



Total points earned **9 points**  
**Placement Math 5**

Percent:

**66%**

5th Grade Math Placement Exam Score



# Math 5/6 Compacted Placement Process

## **What Is the 5th Grade Math Placement Exam?**

5th Grade Math Placement Exam is a district-developed test based on the State's 4th Grade Essential Standards and beginning of the year 5th grade computational skills. This is a 40 min timed test administered online in their math class at school. It is designed to provide an accurate measure of math readiness for compacted math in Eanes ISD schools.

## **How long is the 5th Grade Placement Exam?**

The 5th Grade Math Placement Exam is a 40 min exam. Student accommodations that are provided regularly in the math class will be provided on the 5th Grade Math Placement Exam.

## **What is the NWEA MAP Growth assessment?**

NWEA MAP Growth is a nationally normed, standardized achievement test which measures what students know and informs what they're ready to learn next by using a computer adaptive test that adjusts to the ability and knowledge of the student.



# Math 5/6 Compacted Placement Process

## What is on the 5th Grade Placement Exam?

This assessment will consist of 2 categories. Each category comes from 4th Grade TEKS Objectives. There will be some 5th grade computational topics that were not taught in 4th grade math classes, but are essential to success in Math 5/6. They are noted below with an \*. The topics were selected by Eanes ISD Math 5th/6th teachers.

Tested Category	Topics
Number and Operations	Estimate and Compatible Numbers Represent Decimals Place Value of Whole Numbers Multiplication Models and Algorithms Multiplication and Division Problem-Solving *All 4 Operations with Decimals *Add and Subtract Rational Numbers
Algebraic Reasoning	Problem Solving Using the Four Operations



# Math 5/6 Compacted Placement Process

## What does the exam look like?

The 5th-Grade Math Placement Exam is a computer based assessment that will consist of the following number of item types:

Exam	Number of Questions
Short Answer and Interactive Responses	20 - 25



# Math 5/6 Compacted Placement Process

## What is the timeline for 5th Grade Math Placement?

October - Fall MAP Family Report

February - Winter MAP Family Report

April - 4th Grade Math STAAR

May - Spring MAP Assessment & Placement Exam

May/June - Communication of 5th Grade Placement to Campus & Families



# Math 5/6 Compacted Placement Process

## How do students prepare for the placement exam and Spring MAP assessment?

Below you will find a couple of resources to help students prepare for the 5th Grade Placement Exam and Spring MAP Assessment. However, the most important thing a student can do to prepare for the 5th Grade Placement exam is to work with their teacher on mastering the content taught in their current 4th Grade Math class.

A couple of resources to use at home:

[Released STAAR Exams](#) (Use 4th Grade STAAR without answer choices)

[Khan Academy](#) (Getting Ready for the 5th Grade Course)



# Math 6 Accelerated

- Math 6 Accelerated is an accelerated course covering more than 1 year's worth of math standards
- Math 6 Accelerated covers all of Math 6 TEKS & a portion of the Math 7 TEKS
- Students take the Math 6 STAAR
- Successful completion of this course will prepare students for entry into Math 8 Accelerated and Algebra 1 or Algebra 1 Honors by 8th Grade
- Leveling down option is to Math 6

## Enrollment Requirements:

- ❑ Math 5 Students - Perform in the top 40% of the 5th Grade Math STAAR as determined by TEA
- ❑ New students without a Math 5 STAAR scores - demonstrate proficiency in Math 5 TEKS as outlined by a local measurement



# Math 8 Accelerated

- Math 8 Accelerated is an accelerated course covering more than 1 year's worth of math standards
- Math 8 Accelerated covers a portion of the Math 7 TEKS & all the Math 8 TEKS
- Students take the Math 8 STAAR
- Successful completion of this sequence will prepare students for entry into an Algebra 1 or Algebra 1 Honors
- Leveling down option Math 7

## Enrollment Requirements:

- ❑ Eanes ISD Students - Success completion of Math 6 Accelerated
- ❑ New Students - Credit in a Math 6 Accelerated Equivalent Course





# Math 7/8 Compacted

- Math 7/8 Compacted is a compacted math course where students will cover all the math TEKS for Math 7 and Math 8
- Students will take the Math 8 STAAR
- Successful completion of this sequence will prepare students for entry into an Algebra 1 or Algebra 1 Honors
- Leveling down option Math 7

## Enrollment Requirements:

- ❑ Math 5/6 Students - Successful completion of Math 5/6
- ❑ All other students (New and Returning) - Math 6 Credit Earned



# Correspondence Course Math 6, Math 7, Math 8

Texas Tech K-12 offers **Supplemental Individual Student Correspondence Courses** that can be taken for **acceleration** while remaining enrolled in Eanes ISD.

These courses are completed online through Texas Tech K-12 and have a fee associated with them.

Students can take **Middle School Math Correspondence Course** (Math 6, Math 7, or Math 8) for acceleration while being enrolled in Eanes ISD.

Course credit will be not accepted until the Prerequisite course is completed (Example: Math 7 Credit from Texas Tech K-12 will not be accepted until the student has a Math 6 Credit on their record)

These courses have two parts, A & B, and both parts have to be completed. The final grade must be reported to your counselor before the first day of school in order to accelerate



# Correspondence Course High School Math

Texas Tech K-12 and UT High School offer **Supplemental Individual Student Correspondence Courses (Algebra 1, Geometry, and Algebra 2)** while remaining enrolled in Eanes ISD.

These courses are completed online through UT High School & Texas Tech K-12 and have a fee.

Students can earn a total of **2 correspondence course credits** for graduation. This includes all subjects areas, not just math.

Correspondence courses grades do not count towards GPA or as one of the student's non-weighted courses.

Students must receive prior approval from their school counselor before enrolling in any course. Failure to obtain approval may result in unawarded credit for a course.

These courses have two parts, A & B, and both parts have to be completed before the first day of school. Final grades for A & B must be reported to the school counselor in order to accelerate.



# Credit By Exam

## Credit By Exam for Acceleration for **6-12 Courses ONLY:**

- Credit By Exam will be accepted for single subject acceleration for secondary level courses ONLY.
- A student must meet the 90% grade or higher on both exams (A and B) to accelerate and move to the next course.
- Exams may only be requested during the CBE window once per quarter. In addition, a student may attempt the same exam a *maximum of two times*. The second attempt is on your own, and fees are associated with the exam.
- Parents requesting a Credit by Exam for their child must complete the CBE Request Form.
- The student's record will be reviewed to determine eligibility for the Credit By Exam. The student must have earned credit in the previous course in order to be eligible for a Credit By Exam. (Ex: A student must have Algebra 1 credit before they can take the Geometry CBE.)
- The student's record will be reviewed to determine that the student has not had prior instruction in the subject or course.
- The student's records will be reviewed to determine that the student has not tested within the quarter.
- Campus staff will notify parents of score and placement.
- If a student scores a 90% or higher, the student's schedule will be adjusted for the following school year.
- All courses with a grade of 90 or higher, along with the exam grade, will appear on the student's high school Academic Achievement Record (transcript) but will not be included in GPA calculation.
- All scores must be reported to your student's campus counselor by the 10th day of school.



# Additional Resources

## Course Catalogs By Campus:

[HCMS](#)

[WRMS](#)

[WHS](#)



# Contact Information

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