Newest Math Course of Study

Developed in 2019 by Alabama Department of Education

Partial implementation 2020-2021 (6th & 7th grade)

Will be fully implemented at Brewton Middle School in 2021-2022 (6th, 7th and 8th grade)

- The Grades 6-8 course of study offers two flexible pathways with five courses: Grade 6, Grade 7, Grade 7 Accelerated, Grade 8, and Grade 8 Accelerated.

- **ALL** middle school students begin at a shared starting point with **Grade 6** Mathematics, and all will complete Grade 8 prepared for **Geometry with Data Analysis in Grade 9**, regardless of which middle school pathway they complete.

- The standard middle school pathway is challenging and rigorous. It meets the needs of **all** middle school students, giving them a solid mathematical foundation and preparing them for success in later mathematics courses.

- Middle school students who are **especially interested and strongly motivated** to study mathematics have the option of moving a little faster by choosing an accelerated pathway which combines standards from three courses into two years of study: Grade 7, Grade 8, and Algebra I with Probability (otherwise offered in Grade 10).

- Students who successfully complete the accelerated pathway will take Geometry with Data Analysis in Grade 9 and Algebra II in grade 10.

- These students will be required to take two additional courses in Grades 11 and 12 to earn the mandatory four credits in mathematics, since neither of the accelerated middle school courses (nor their combination) is equivalent to a high school mathematics credit.

- Taking two more courses gives them the opportunity to make additional progress toward their postsecondary goals

- The accelerated middle school pathway is designed to challenge the **most proficient and motivated students**.

- Some who start out on this pathway may find it was not the best choice for them. Students who are not making adequate progress in Grade 7 Accelerated are not locked into the accelerated pathway; they may exit the accelerated pathway and take the Grade 8 Mathematics course without any loss of progress

- Students have a second opportunity to accelerate in Grade 9 by taking Geometry with Data Analysis and Algebra I with Probability at the same time.

- These opportunities to accelerate allow students to make additional progress toward their postsecondary goals.

- It is critical that all students be afforded the opportunity to pursue a pathway that supports their interests and goals.

POSSIBLE MATHEMATICS TRACKS TOWARDS HIGH SCHOOL

Grade 6	Grade 7	Grade 8	Grade 9
Grade 6 Mathematics	Grade 7 Mathematics	Grade 8 Mathematics	Geometry with Data Analysis
Grade 6 Mathematics	Grade 7 Accelerated Mathematics	Accelerated Grade 8 Mathematics	Geometry with Data Analysis
Grade 6 Mathematics	Grade 7 Mathematics	Grade 8 Mathematics	Geometry with Data Analysis **and** Algebra I with Probability
Grade 6 Mathematics	Grade 7 Accelerated Mathematics	Grade 8 Mathematics	Geometry with Data Analysis
Grade 6 Mathematics	Grade 7 Accelerated Mathematics	Grade 8 Mathematics	Geometry with Data Analysis **and** Algebra I with Probability
Grade 6 Mathematics	Grade 7 Accelerated Mathematics	Accelerated Grade 8 Mathematics	Geometry with Data Analysis **and** Algebra I with Probability

For students who complete Grade 8 Mathematics

Grade:	Suggested Possible Pathways:		
9	*Geometry with Data Analysis*	*Geometry with Data Analysis* **and** *Algebra I with Probability* (concurrently)	*Geometry with Data Analysis* **and** *Algebra I with Probability* (concurrently)
10	*Algebra I with Probability*	*Algebra II with Statistics*	*Algebra II with Statistics*
11	*Algebra II with Statistics*	*Specialized Course	*Precalculus*
12	*Specialized Course	*Specialized Course (5th credit)	*AP Calculus* (5th credit)

For students who complete Grade 8-Accelerated Mathematics

Grade	Suggested Possible Pathways:				
9	*Geometry with Data Analysis*	*Geometry with Data Analysis*	*Geometry with Data Analysis*	*Geometry with Data Analysis* **and** *Algebra I with Probability* (concurrently)	*Geometry with Data Analysis* **and** *Algebra I with Probability* (concurrently)
10	*Algebra II with Statistics*	*Algebra II with Statistics*	*Algebra I with Probability*	*Algebra II with Statistics*	*Algebra II with Statistics*
11	*Specialized Course	*Precalculus*	*Algebra II with Statistics*	*Specialized Course	*Precalculus*
12	*Specialized Course	*AP Calculus*	*Specialized Course	*Specialized Course (5th credit)	*AP Calculus* (5th credit)