Grade 7 Accelerated and Grade 8 Accelerated Overview

Accelerated courses have been carefully aligned and designed for middle school students who show particular motivation and interest in mathematics. In this pathway, students meet all the standards of Grade 7, Grade 8, and *Algebra I with Probability* within the Grade 7 Accelerated and Grade 8 Accelerated courses, thus merging all the standards from three years of mathematics into two years. This enables students to move through the content more quickly. Students who complete this pathway will be prepared to enter *Geometry with Data Analysis* or *Geometry with Data Analysis Advanced* in Grade 9 and then accelerate directly into *Algebra II with Statistics* or *Algebra II with Statistics Advanced* in Grade 10, thus providing them with an opportunity to take additional, specialized mathematics coursework in Grades 11 and 12, such as *AP Calculus*, *AP Statistics,* or college dual enrollment classes. Clearly, this pathway will be challenging and should be reserved for Grade 7 students who demonstrate a high level of motivation and interest in studying mathematics.

The Alabama Mathematics Content Areas shown below illustrate a progression designed to ensure that all students are equitably prepared to develop conceptual understanding of mathematics. The NAEP (National Assessment of Educational Progress) content areas reflect an emphasis on the importance of mathematical reasoning through the full spectrum of mathematical content. Alabama Mathematics Content Areas explicitly define the framework needed for students to develop a comprehensive understanding of underlying mathematics concepts.

Overview of Alabama Mathematics Content Areas

NAEP Content Areas	Kindergarten	1	2	3	4	5	6	7	8	High School
Number Properties and Operations	Foundations of Counting									
		Operations with Numbers: Base Ten					Proportional Reasoning			Number
				Operations with Numbers: Fractions			Number Systems and Operations			
Algebra	Operations and Algebraic Thinking						Algebra and Functions			
Data Analysis, Statistics, and Probability	Data Analysis						Data Analysis, Statistics, and Probability			
Measurement	Measurement						Geometry and Measurement			
Geometry	Geometry									