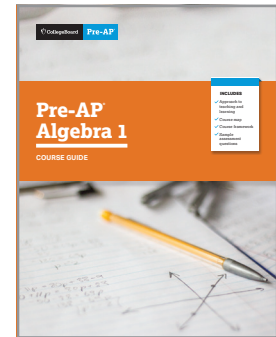




Pre-AP Algebra 1 and Tennessee Academic Standards for Mathematics: Algebra 1: Alignment Summary

Pre-AP courses focus deeply on a limited number of concepts and skills with the broadest relevance for high school coursework and college and career success. The course framework serves as the foundation of the course and defines these prioritized concepts and skills.

When teaching a Pre-AP course, teachers have purposeful time and space to bring their own voice and lessons into each unit to best meet the needs of their students and address the full range of state standards. This alignment summary demonstrates the deep connections between the Pre-AP Algebra 1 Course Framework and the Tennessee Academic Standards for Mathematics: Algebra 1 to support teachers and schools in their planning. Along with the corresponding standards crosswalk, teachers and schools can use this alignment summary when planning and preparing to implement Pre-AP Algebra 1.



Alignment at a Glance: Very Strong

Tennessee Academic Standards for Mathematics: Algebra 1



- Creating Equations
- Reasoning with Equations and Inequalities
- Interpreting Functions
- Seeing Structure in Expressions
- Linear, Quadratic, and Exponential Models

Discipline Highlights

- ✓ Overall, the alignment between the Pre-AP Algebra 1 Course Framework and the Tennessee Academic Standards for Mathematics: Algebra 1 is very strong.
- ✓ Across all nine strands of the Tennessee Academic Standards for Mathematics: Algebra 1, the majority of the standards are addressed in part or in full by the Pre-AP Algebra 1 Course Framework.
- ✓ The Tennessee Academic Standards for Mathematics: Algebra 1 and the Pre-AP Algebra 1 Course Framework share the strongest alignment in the Interpreting Functions and Linear, Quadratic, and Exponential Models content strands.



= **Very strong alignment**



= **Partial alignment**

Alignment between the Pre-AP Algebra 1 Course Framework and the Tennessee Academic Standards for Mathematics: Algebra 1 is described as *very strong* or *partial*. A *very strong* alignment is one in which the majority of standards are fully addressed by the mapped Pre-AP Learning Objectives (LOs). A *partial* alignment is one in which the standards are partially addressed by the corresponding Pre-AP Learning Objectives. Partial alignment can occur when one framework includes greater specificity or extends beyond the scope of the other framework. Given the focused nature of the Pre-AP course framework, some partial alignments are to be expected.

Alignment at a Glance: Partial

Tennessee Academic Standards for Mathematics: Algebra 1



- Arithmetic with Polynomials and Rational Expressions
- Building Functions
- Interpreting Categorical and Quantitative Data
- Quantities

Discipline Highlights



While the overall alignment between the Tennessee Academic Standards for Mathematics: Algebra 1 and the Pre-AP Algebra 1 Course Framework is very strong, there are a few areas of partial alignment due to the more granular nature of some of the Tennessee Academic Standards for Mathematics: Algebra 1.



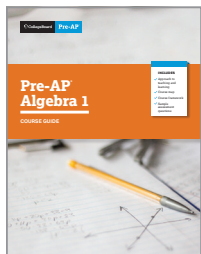
The Pre-AP Algebra 1 Course Framework has a more intentionally narrow focus on a prioritized set of concepts, so certain topics are considered outside the scope of the Pre-AP course. For example, HS.F-BF.B.3 involves transformations of a general parent function while Pre-AP Algebra 1 focuses on certain aspects of linear, quadratic, and exponential functions.



Though not a focus in Pre-AP Algebra 1, the statistics concepts in the Interpreting Categorical and Quantitative Data content strand are covered in depth in Pre-AP Geometry with Statistics.

Summary

Beyond alignments to the course framework, it is also important for educators to turn to the Pre-AP Shared Principles and Pre-AP Mathematics Areas of Focus to understand the full picture of alignment between Pre-AP Algebra 1 and the Tennessee Academic Standards for Mathematics: Algebra 1. The shared principles and areas of focus represent the Pre-AP approach to teaching and learning, and these principles deeply address skill development and disciplinary practices that cannot be easily captured within a standards crosswalk. **In summary, there are ample opportunities for teachers to address the Tennessee Academic Standards for Mathematics: Algebra 1 with confidence throughout this course.**



Learn more about Pre-AP Algebra 1 at preap.org