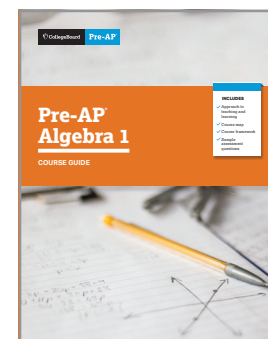# Pre-AP Algebra 1 and West Virginia College- and Career-Readiness Standards for Mathematics: Alignment Summary

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 West Virginia College- and Career-Readiness Standards for Mathematics: High School 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.

Pre-AP® Algebra 1
COURSE GUIDE

INCLUDES
✓ Approach to teaching and learning
✓ Course map
✓ Course framework
✓ Sample assessment questions

Alignment at a Glance: Very Strong

WVCCRSM

- **Linear and Exponential Relationships**

Discipline Highlights

✓ Overall, the alignment between the Pre-AP Algebra 1 Course Framework and the WV College- and Career-Readiness Standards for Mathematics is very strong.

✓ Across the five critical units of the WV College- and Career-Readiness Standards for Mathematics: High School Algebra 1, the majority of standards are addressed in full or in part by the Pre-AP Algebra 1 Course Framework.

✓ The WV CCR Standards for Mathematics and the Pre-AP framework show the strongest alignments in Linear and Exponential Relationships. The Pre-AP Algebra 1 model lessons provide extensive opportunities to model linear and exponential functions and interpret their key features in context.

= **Very strong alignment**

= **Partial alignment**

Alignment between the Pre-AP Algebra 1 Course Framework and the WV College- and Career-Readiness Standards for Mathematics is described as *very strong* or *partial*. A *very strong* alignment is one in which the majority of the 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 LOs. 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

WVCCRSM

- **Relationships Between Quantities and Reasoning with Equations**
- **Descriptive Statistics**
- **Quadratic Functions and Modeling**
- **Expressions and Equations**

Discipline Highlights

✓ While the overall alignment between the WV College- and Career-Readiness Standards for Mathematics and the Pre-AP Algebra 1 Course Framework is strong, there are a few areas of partial alignment due to differences in the level of specificity in certain areas.

✓ The Pre-AP Algebra 1 Course Framework has a more intentionally narrow focus on a prioritized set of concepts than the West Virginia standards. For example, WV standard M.A1HS.5 involves solving linear equations and inequalities in one variable. This skill is typically covered in a pre-algebra course, so it is not a focus topic for Pre-AP Algebra 1. Instead, this skill is embedded in Pre-AP Algebra 1 model lessons that address standards such as M.A1HS.7 and M.A1HS.21.

✓ Though not fully addressed in Pre-AP Algebra 1, the Descriptive Statistics unit is covered in depth in Pre-AP Geometry with Statistics. The statistics unit in Pre-AP Geometry with Statistics addresses the WVCCRSM standards M.A1HS.33–35. These standards cover topics such as describing data distributions, computing and interpreting summary statistics, and recognizing trends in data.

Summary

Beyond alignments to the Pre-AP 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 West Virginia College- and Career-Readiness Standards for Mathematics. 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 West Virginia College- and Career-Readiness Standards for Mathematics with confidence throughout this course.**
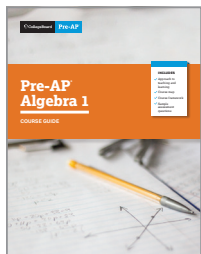
Learn more about Pre-AP Algebra 1 at **preap.org**.