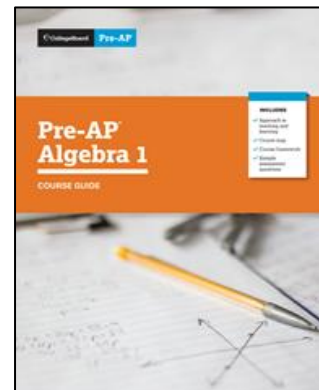


Pre-AP Algebra 1 and Maryland College and Career-Ready Standards for Mathematics: Alignment Summary

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 Maryland College and Career-Ready Mathematics Standards: 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

- Overall, the alignment between the Pre-AP Algebra 1 Course Framework and the Maryland College and Career-Ready Standards: Algebra 1 is very strong.
- Across the nine big ideas of the Maryland College and Career-Ready Standards: Algebra 1 course, the majority of the standards are addressed in full or in part by the Pre-AP Algebra 1 Course Framework.
- The strongest alignments are in
 - Big Idea #3: Interpret Representations
 - Big Idea #5: Create a Symbolic Representation to Represent the Relationship between Quantities
 - Big Idea #7: Understand, Compare and Use Properties of Functional Relationships
 - Big Idea #8: Graph Functions and/or Analyze/Interpret Graphs

Alignment at a Glance: Partial

- While the overall alignment between the CCSS 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 MDCCR: Algebra 1. For example, the MDCCR standard A.REI.A.3 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 MDCCR standards such as A.REI.A.1, A.REI.C.5, and A.REI.C.6.

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 CCSS 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 CCSS for Mathematics with confidence throughout this course.