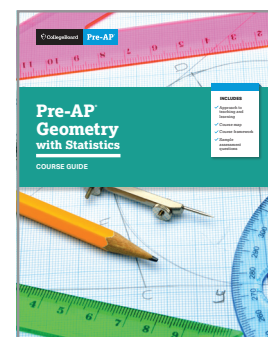# Pre-AP Geometry with Statistics and Mississippi College- and Career-Readiness Standards for Mathematics: Geometry: Alignment Summary

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 Geometry with Statistics Course Framework and the Mississippi College- and Career-Readiness Standards for Mathematics: Geometry 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 Geometry with Statistics.

Alignment at a Glance: Very Strong

Mississippi College- and Career-Readiness Standards for Mathematics: Geometry

- **Congruence**
- **Interpreting Categorical and Quantitative Data**
- **Geometric Measurement and Dimension**
- **Similarity, Right Triangles, and Trigonometry**

Discipline Highlights

✓ Overall, the alignment between the Pre-AP Geometry with Statistics Course Framework and the Mississippi College- and Career-Readiness Standards for Mathematics: Geometry is very strong.

✓ Across all eight domains of the Mississippi College- and Career-Readiness Standards for Mathematics: Geometry, the majority of the standards are covered in full or in part by the course framework.

✓ The Mississippi College- and Career-Readiness Standards for Mathematics: Geometry and the Pre-AP Geometry with Statistics Course Framework share the strongest alignment in the Geometric Measurement and Dimension and Interpreting Categorical and Quantitative Data content domains.

= **Very strong alignment**

= **Partial alignment**

Alignment between the Pre-AP Geometry with Statistics Course Framework and the Mississippi College- and Career-Readiness Standards for Mathematics: Geometry 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

Mississippi College- and Career-Readiness Standards for Mathematics: Geometry

- **Circles**
- **Expressing Geometric Properties with Equations**
- **Making Inferences and Justifying Conclusions**
- **Modeling with Geometry**

Discipline Highlights

✓ While the overall alignment between the Mississippi College- and Career-Readiness Standards for Mathematics: Geometry and the Pre-AP Geometry with Statistics Course Framework is very strong, there are a few areas of partial alignment due to the more granular nature of some of the Mississippi College- and Career-Readiness Standards for Mathematics: Geometry.

✓ The Mississippi College- and Career-Readiness Standards for Mathematics: Geometry include more specific statements than the Pre-AP learning objectives. For example, G-CO.9 includes a number of specific theorems that are not listed explicitly within the Pre-AP learning objectives. However, there are natural opportunities to address those theorems within the framework.

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 Geometry with Statistics and the Mississippi College- and Career-Readiness Standards for Mathematics: Geometry. 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 Mississippi College- and Career-Readiness Standards for Mathematics: Geometry with confidence throughout this course.**
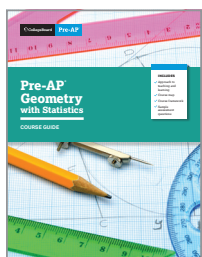
Learn more about Pre-AP Geometry with Statistics at preap.org

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