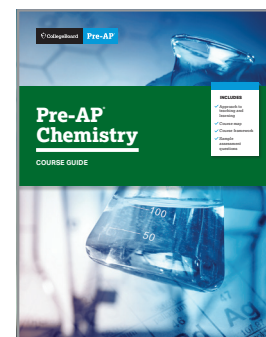




# Pre-AP Chemistry and Science Next Generation Sunshine State Standards: Alignment Summary

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 Chemistry Course Framework and the Science Next Generation Sunshine State Standards 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 Chemistry.



## Alignment at a Glance: Very Strong

### Science Next Generation Sunshine State Standards:



- Matter

### Discipline Highlights

- ✓ Overall, the alignment between the Pre-AP Chemistry Course Framework and the Science Next Generation Sunshine State Standards is very strong.
- ✓ Across the Science Next Generation Sunshine State Standards for Chemistry, the majority of the standards are covered in full or in part by the Pre-AP Chemistry Course Framework.
- ✓ The Science Next Generation Sunshine State Standards for Chemistry and the Pre-AP framework share the strongest alignment among topics within the Matter standard strand.



= **Very strong alignment**



= **Partial alignment**

Alignment between the Pre-AP Chemistry Course Framework and the Science Next Generation Sunshine State Standards 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

## Science Next Generation Sunshine State Standards:



- Energy
- Matter and Energy Transformation
- Motion

## Discipline Highlights



While the overall alignment between the Science Next Generation Sunshine State Standards and the Pre-AP Chemistry Course Framework is very strong, there are a few areas of partial alignment due to the more granular nature of some of the Science Next Generation Sunshine State Standards.



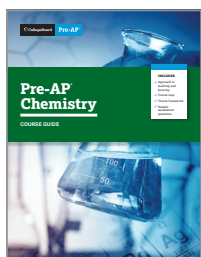
The Science Next Generation Sunshine State Standards include more specific statements than the Pre-AP learning objectives. For example, SC.912.P.8.1 addresses differentiating between the four states of matter. The Pre-AP learning objectives only address three of the four states mentioned in the standard. As a result, the standard was given a partial rating. However, Pre-AP Chemistry model lessons provide opportunities for teachers to incorporate instruction about the fourth state.



The Pre-AP framework has a more intentionally narrow focus on a prioritized set of concepts, so certain topics are considered outside of the scope of the Pre-AP course. For example, quantization of energy, the electromagnetic spectrum, and dynamic equilibrium are not addressed by the learning objectives because they are considered outside the purview of the Pre-AP 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 Science Areas of Focus to understand the full picture of alignment between Pre-AP Chemistry and the Science Next Generation Sunshine State Standards. 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 Science Next Generation Sunshine State Standards with confidence throughout this course.**



Learn more about Pre-AP Chemistry at [preap.org](http://preap.org)