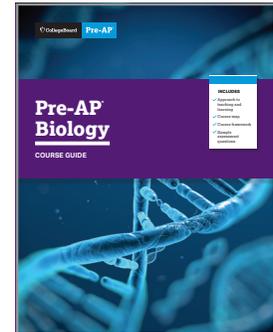




Pre-AP Biology and Florida Next Generation Sunshine State Standards: Alignment Summary

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 Biology Course Framework and the Florida 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 Biology.



Alignment at a Glance: Very Strong

FL NGSSS:



- Earth Systems and Patterns
- Diversity and Evolution of Living Organisms
- Heredity and Reproduction
- Interdependence
- Matter and Energy Transformations

Discipline Highlights

- ✓ Overall, the alignment between the Pre-AP Biology Course Framework and the Florida Next Generation Sunshine State Standards is very strong.
- ✓ All six of the FL NGSSS strands are covered in full or in part by the Pre-AP Biology Course Framework.
- ✓ The majority of standards across the six strands are covered in full or in part.
- ✓ The FL NGSSS and Pre-AP Biology share the deepest alignment within the strands Earth Systems and Patterns, Diversity and Evolution of Living Organisms, Heredity and Reproduction, Interdependence, and Matter and Energy Transformations.



= **Very strong alignment**



= **Partial alignment**

Alignment between the Pre-AP Biology Course Framework and the Florida 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

FL NGSSS:



- Organization and Development of Living Organisms

Discipline Highlights



While the overall alignment between the Florida Next Generation Sunshine State Standards and the Pre-AP Biology Course Framework is very strong, there are a few areas of partial alignment or gaps in alignment due to the more granular nature of some of the FL NGSSS.



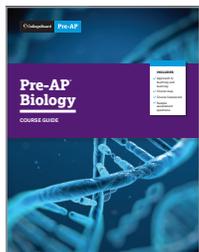
FL NGSSS include greater specificity than the Pre-AP Learning Objectives for some topics. For example, SC.912.L.14.1 specifies that students should relate the history of cell theory and its discovery. While the Pre-AP framework does not include that level of specificity, the broader expectation of understanding the scientific theory of cells is addressed by the Pre-AP learning objective CELLS 2.1(a), "Provide evidence to support the claim that all biological systems demonstrate some shared characteristics," and by the essential knowledge statement CELLS 2.2.1, which details the specialized structures and functions of cells.



Some FL NGSSS topics, such as the comparison of different types of microscopes, are outside the scope of the Pre-AP Biology course, which has a prioritized set of concepts.

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 Biology and the Florida 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 Florida Next Generation Sunshine State Standards with confidence throughout this course.**



Learn more about Pre-AP Biology at preap.org