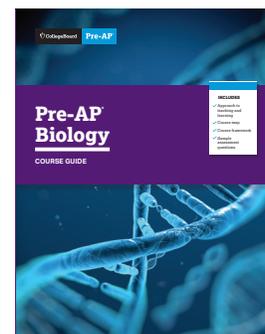




Pre-AP Biology and New York State P-12 Science Learning Standards: Alignment Summary

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 New York State P-12 Science Learning 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

NY Science Learning Standards:



- **Structure and Function**
- **Matter and Energy in Organisms and Ecosystems**
- **Interdependent Relationships in Ecosystems**
- **Inheritance and Variation of Traits**
- **Natural Selection and Evolution**

Discipline Highlights

- ✓ Overall, the alignment between the Pre-AP Biology Course Framework and the New York State P-12 Science Learning Standards is very strong.
- ✓ The majority of the nine NY Science Learning Standards strands are covered in full or in part.
- ✓ The NY Science Learning Standards and Pre-AP Biology share the deepest alignment within the life sciences strands.
- ✓ All of the standards in the life sciences are addressed in full or in part.



= **Very strong alignment**



= **Partial alignment**

Alignment between the Pre-AP Biology Course Framework and the New York State P-12 Science Learning 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

NY Science Learning Standards:



- History of the Earth
- Earth's Systems
- Human Sustainability
- Engineering Design

Discipline Highlights



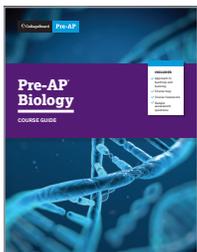
While the overall alignment between the New York State P-12 Science Learning Standards and the Pre-AP Biology framework is very strong, there are a few areas of partial alignment due to the more granular nature of some of the NY Science Learning Standards.



The New York State P-12 Science Learning Standards include Earth science and engineering topics that are not directly addressed by the Pre-AP Biology framework. As a result, these areas show little or no alignment. Despite this, standards such as ESS2.D and ESS3.C can be addressed using several compelling examples while teaching the Pre-AP EKs.

Summary

Beyond alignments to the course framework, it is also important for educators to turn to the Pre-AP Shared Principles and Pre-AP Biology Areas of Focus to understand the full picture of alignment between Pre-AP Biology and New York State P-12 Science Learning 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 New York State P-12 Science Learning Standards with confidence throughout this course.**



Learn more about Pre-AP Biology at preap.org