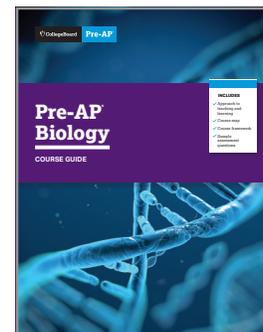




Pre-AP Biology and Ohio's Learning Standards for Science: Alignment Summary

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 Ohio's Learning Standards for Science 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

Ohio's Learning Standards for Science:



- Heredity
- Evolution
- Diversity and Interdependence of Life
- Cells

Discipline Highlights

- ✓ Overall, the alignment between the Pre-AP Biology Course Framework and Ohio's Learning Standards for Science is very strong.
- ✓ All of the four Ohio learning strands are covered in full or in part by the Pre-AP Biology Course Framework.
- ✓ All of Ohio's standards and course content are addressed in full or in part by the Pre-AP Biology Course Framework.
- ✓ Ohio's Learning Standards for Science and the Pre-AP Biology Course Framework share the deepest alignment within the Heredity and Diversity and Interdependence of Life strands.



= **Very strong alignment**



= **Partial alignment**

Alignment between the Pre-AP Biology Course Framework and Ohio's Learning Standards for Science 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

Discipline Highlights



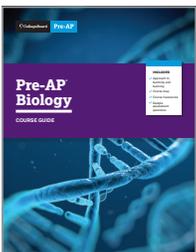
While the overall alignment between Ohio's Learning Standards for Science and the Pre-AP Biology Course Framework is very strong, there are a few areas of partial alignment due to the more granular nature of some of Ohio's Learning Standards for Science.



Some of Ohio's Learning Standards for Science content elaborations include greater specificity than the Pre-AP learning objectives. For example, the standard B.H.3 Genetic Mechanisms and Inheritance content elaboration states, "Genetic variation is due to crossing over, independent assortment, and recombination during gamete formation." While the Pre-AP learning objectives address crossing-over, they do not address independent assortment or recombination.

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 Ohio's Learning Standards for Science. 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 Ohio's Learning Standards for Science with confidence throughout this course.**



Learn more about Pre-AP Biology at preap.org