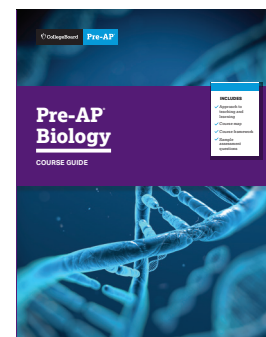




Pre-AP Biology and Texas Essential Knowledge and Skills for Science: Alignment Summary

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 the Texas Essential Knowledge and Skills (TEKS) 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

TEKS for Science:



- Cells and Viruses (Concept 4)
- The Cell Cycle and Cell Differentiation (Concept 5)
- Genetics (Concept 6)
- Evolutionary Theory (Concept 7)
- Molecules and Metabolic Processes (Concept 9)
- Biological Systems (Concept 10)
- Interdependence and Interaction in Ecosystems (Concept 12)

Discipline Highlights

- ✓ Overall, the alignment between the Pre-AP Biology Framework and the TEKS for Science is very strong.
- ✓ All nine of the science concepts from the TEKS for Science are covered in full or in part by the Pre-AP course framework.
- ✓ All standards for concepts 4, 5, 6, 7, 9, 10, and 12 are covered by the Pre-AP course framework.



= **Very strong alignment**



= **Partial alignment**

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

TEKS for Science:



- Classification of Organisms (Concept 8)
- Balance in Biological Systems (Concept 11)

Discipline Highlights



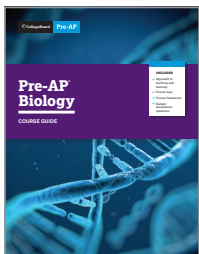
While the overall alignment between the TEKS for Science and the Pre-AP Biology framework is strong, there are some expected areas of partial alignment or gaps in alignment due to the differences in the level of specificity in some areas.



The TEKS for Science are divided into two categories: scientific processes and scientific concepts. The TEKS for Scientific Processes are connected to both the Pre-AP Biology Areas of Focus and to the Pre-AP science practices. In addition, these processes are deeply embedded in the Pre-AP course framework and the Pre-AP model lessons.

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 TEKS 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 the TEKS for Science with confidence throughout this course.**



Learn more about Pre-AP Biology at preap.org