Khan Academy For Texas

High School Biology STAAR Prep Guide

TEKS + Khan Academy Math Practice Alignment

About the guide

This guide highlights the **high school biology TEKS most emphasized on STAAR** and pairs each one with targeted practice from Khan Academy's Texas-aligned biology content. It is designed to help teachers quickly reinforce high-impact concepts through warm-ups, small-group review, intervention, or STAAR preparation.

Our TEKs-aligned content was made possible thanks to the ExxonMobil Foundation.

Why this guide helps

The TEKS listed here are the ones students are most likely to encounter on STAAR. The matching practice links give you:

- Skills that have the greatest impact on STAAR readiness
- Quick, low-prep exercises students can start right away
- A clean breakdown by TEKS cluster for efficient planning
- Easy options for warm-ups, exit tickets, and reteach moments

How to use this guide:

1. Begin with the **priority TEKS,** grouped exactly as listed in the STAAR blueprint.
2. Assign the linked **Khan Academy practice** for targeted reinforcement.
3. Follow clusters in the order provided (Genetics → Behavior → Biological Systems → Evolution, etc.).
4. Use the chart during spring spiraling, warm-ups, or test-prep cycles.

Helpful links

High School Biology Course

Texas Teacher Resources

Teacher Dashboard

High School Biology TEKS Priority Skills + Khan Academy Practice

All TEKS are Readiness Standards (R) in this subject.

READINESS STANDARDS (R)

Mechanisms of Genetics	
TEKS & STAAR %	**Khan Academy Practice**
B.6(A) — 6%	• Apply: DNA structure and replication • Apply: regulation of the cell cycle and cancer
B.6(E) — 4%	• Apply: mutations
B.6(F) — 6%	• Apply: complex patterns of inheritance • Apply: meiosis

Organism Behavior	
TEKS & STAAR %	**Khan Academy Practice**
B.12(A) — 4%	• Apply: from cells to organisms • Apply: homeostasis and feedback loops
B.12(C) — 6%	• Apply: energy and matter in ecosystems • Apply: disturbance and resilience in ecosystems
B.12(E) — 4%	• Apply: disturbance and resilience in ecosystems

Levels of Biological Systems	
TEKS & STAAR %	**Khan Academy Practice**
B.10(A) — 14%	• Apply: natural selection and adaptation • Understand: natural selection
B.10(B) — 5%	• Apply: natural selection and adaptation • Understand: natural selection

Evolutionary Theory	
TEKS & STAAR %	**Khan Academy Practice**
B.7(A) — 5%	• Apply: DNA structure and replication • Understand: genes, proteins, and traits

Cell Structure and Function	
TEKS & STAAR %	**Khan Academy Practice**
B.4(B) — 6%	• Apply: prokaryotic and eukaryotic cells
B.4(C)	• Apply: viruses

Organism Growth and Cell Differentiation	
TEKS & STAAR %	**Khan Academy Practice**
B.5(A) — 6%	• Apply: regulation of the cell cycle and cancer • Apply: the cell cycle and mitosis

Molecules	
TEKS & STAAR %	**Khan Academy Practice**
B.9(A) — 4%	• Understand: biomolecules and reactions • Apply: biomolecules and reactions

Taxonomy of Organisms	
TEKS & STAAR %	**Khan Academy Practice**
B.8(B) — 7%	• Apply: Mendelian genetics • Apply: complex patterns of inheritance

Ecological Succession	
TEKS & STAAR %	**Khan Academy Practice**
B.11(B) — 5%	• Apply: biomolecules and reactions • Apply: reactions and enzymes