



BIOLOGY MASTERY & STAAR® EOC REVIEW



100% PASSING RATE GUARANTEE!*

**For full details visit summitk12.com/guarantee-information*

- Engaging Science TEKS Video Lessons
- Interactive Vocabulary Flashcards for all TEKS
- Including Content, Process, and Instructional Words
- STAAR® 2.0 Formative and Summative Assessments
- Includes all HB 3906 New Item Types
- Adaptive Personalized Learning Plans
- Rigorous 5-Step STAAR® Review Sequence



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RIGOROUS 5-STEP STAAR® REVIEW SEQUENCE

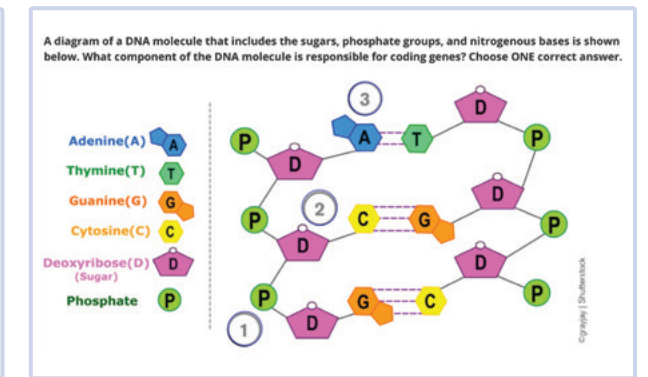
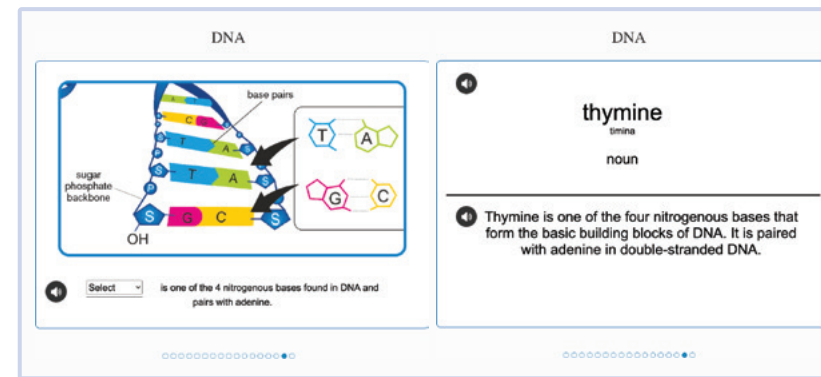
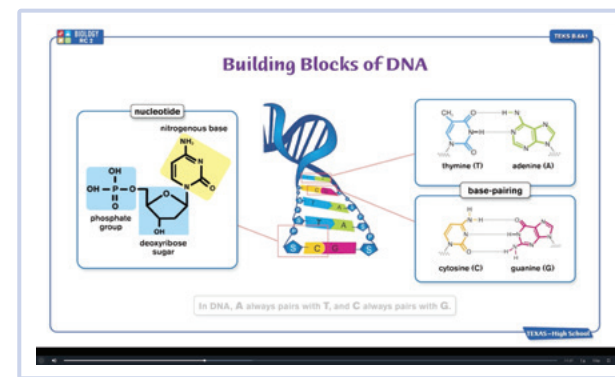
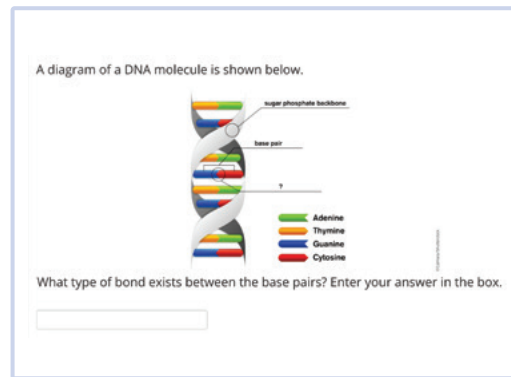
1 Teacher Led TEKS Lesson & Study Guide

2 STAAR® Assessment 1

3 TEKS Instructional Video

4 Vocabulary Review Interactive Flashcards

5 STAAR® Assessment 2



TEKS	Lesson Name	STAAR EOC Assessment 1	TEKS Video	Vocabulary	STAAR EOC Assessment 2	Lock/Unlock
Components of DNA						
B.6A R	DNA	71%	✓	88%	92%	
7.14A	Heredity	88%	✓	83%	91%	
7.14C	Inherited Traits, Genes, and Chromosomes	91%	✓	90%	100%	
B.6B S	Genetic Code	100%	✓	100%	100%	

READINESS

Components of DNA

antiparallel DNA double helix, hydrogen bond nitrogenous base nucleotide, phosphate group, sugar, nucleotide

B.6A

SCAFFOLDS

Heredity

The passing of genetic instructions from parent to offspring is known as heredity. Observable characteristics passed from generation to generation are known as traits. Genes determine inherited traits.

Dimples are an inherited trait. Eye color is an inherited trait.

dominant trait, heredity, recessive trait, gene, inherited trait

7.14A

Inherited Traits, Genes, and Chromosomes

Genes are found on chromosomes, which are located in the nucleus of the cell.

Inherited traits, such as eye color, are controlled by genes. Each parent provides a gene.

chromosome, DNA, gene, inherited trait, nucleus

7.14C

SUPPORTING

The Genetic Code

organism	approximate genome size (base pairs)	approximate number of genes
human	3 billion	20,000
mouse	2.7 billion	25,000
fruit fly	180 million	14,000


DNA is the hereditary material found in all organisms. The nucleotides in DNA make up the language of a genetic code that determines specific proteins.

amino acid DNA, genetic code genome, nucleotide organism, protein

B.6B

PERSONALIZED LEARNING PLANS

- Creates an adaptive, personalized learning plan for each student
- Starts review with Readiness Standards followed by Supporting Standards
- Students monitor their PLP progress promoting self-efficacy

Description	Practice Test	Lock/Unlock
Biology STAAR EOC Practice Test	66%	

Personalized Learning Plan

TEKS	Description	Pre-test	Concept Review	Vocabulary Boosters	Post-test
B.6E	Changes in DNA	39%	✓	100%	84%
B.8C	Comparing Characteristics of Taxonomic Groups	60%	✓	81%	98%
B.4B	Homeostasis and Cell Transport	44%	✓	95%	75%
B.6A	DNA	21%	✓	85%	68%
 7.14A	Heredity	65%	✓	94%	100%
 7.14C	Inherited Traits, Genes, and Chromosomes	49%	✓	95%	87%
B.7C	Natural Selection	83%	✓	84%	88%
B.5A	The Cell Cycle	68%	✓	80%	91%
B.9A	Blomolecules	⌚ Start	▶	⌚ Start	⌚ Start
B.6F	Predicting Outcomes of Genetic Combinations	⌚ Start	▶	⌚ Start	⌚ Start
B.11B	Ecological Succession	⌚ Start	▶	⌚ Start	⌚ Start
B.10B	Interactions Among Plant Systems	⌚ Start	▶	⌚ Start	⌚ Start
B.4C	Viruses	⌚ Start	▶	⌚ Start	⌚ Start
B.7A	Evidence of Common Ancestry	⌚ Start	▶	⌚ Start	⌚ Start
B.7E	Diversity of Species	⌚ Start	▶	⌚ Start	⌚ Start
B.8B	Classifying Organisms	⌚ Start	▶	⌚ Start	⌚ Start