



Personalized Learning Plan

- Creates an Adaptive, Personalized, Accelerated Learning Plan for each student
- Starts review with Readiness Standards followed by Supporting Standard

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

Accelerated 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	Biomolecules	70%	✓	85%	⌚ Start
B.6F	Predicting Outcomes of Genetic Combinations	⌚ Start	⌚ Start	⌚ Start	⌚ Start
B.11B	Ecological Succession	⌚ Start	⌚ Start	⌚ Start	⌚ Start
B.10B	Interactions Among Plant Systems	⌚ Start	⌚ Start	⌚ Start	⌚ Start
B.10A	Interactions Among Animal Systems	⌚ Start	⌚ Start	⌚ Start	⌚ Start



Enabling Every Student to Reach Their Summit

BIOLOGY MASTERY & STAAR® EOC REVIEW



MEETS GRADE LEVEL



MASTERS GRADE LEVEL

- 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

School Domain 1 Science Score of 60% “A” Guaranteed



100% PASSING RATE GUARANTEE

RIGOROUS FIVE-STEP STAAR® REVIEW SEQUENCE

1 Teacher Led TEKS Lesson & Study Guide



2 STAAR® EOC Assessment 1

A diagram of a DNA molecule is shown below.

What type of bond exists between the base pairs? Enter your answer in the box.

3 TEKS Instructional Video

Building Blocks of DNA

In DNA, A always pairs with T, and C always pairs with G.

4 Vocabulary Review Interactive Flashcards

DNA

Select _____

DNA

Select _____

Biomolecules

Name: _____ Period: _____ Date: _____

CORE VOCABULARY

biomolecule lipid polymer nucleic acid
carbohydrate monomer protein

From the list of terms, pick two terms and make a connection. Explain the connection in the box below. Add a term for connect three and explain. Lastly, add a word for connect four, then explain the connection.
Terms: biomolecule, carbohydrate, lipid, monomer, nucleic acid, protein, polymer

Connect 2 Words

Explanation: _____

Connect 3 Words

Explanation: _____

Connect 4 Words

Explanation: _____

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%	

5 STAAR® EOC Assessment 2

A diagram of a DNA molecule that includes the sugars, phosphate groups, and nitrogenous bases is shown below. What component of the DNA molecule is responsible for coding genes? Choose ONE correct answer.

Adenine(A) Thymine(T) Guanine(G) Cytosine(C) Deoxyribose(D) (Sugar) Phosphate (P)

READINESS B.6A

Components of DNA

antiparallel DNA double helix hydrogen bond phosphate group sugar nucleotide

VERTICALLY ALIGNED SCAFFOLDS 7.14A 7.14C

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

Inherited Traits, Genes, and Chromosomes

cell nucleus chromosome DNA gene

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.

SUPPORTING B.6B

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 genetic code nucleotide protein
DNA genome organism

