



Biology Instructional Plan: Fall Semester

Course Overview

Welcome to Biology.

Contact Information

Teacher Name: Makayla Makhanu

Email: makayla.makhanu@midlandisd.net

Phone: 432-240-4700

Classroom Expectations

Be Respectful – Listen. Use kind words. Treat everyone and everything with care.

Be Responsible – Be on time. Bring what you need. Start bellwork immediately.

Follow Directions – Do what's asked the first time. Raise your hand to speak.

Stay Focused – Sit where you're supposed to. Keep your area tidy. Participate.

Stay Positive – Try your best. Learn from mistakes. Keep growing.

Attendance Policy & Its Importance

Attendance Is the First Step to Success

Coming to school every day ensures every student gets the instruction, connections, and support they need to learn, belong, and grow. Missing just a few days can create gaps in learning—but showing up builds confidence, community, and a path toward long-term achievement.

Please notify the school if your child will be absent. Frequent or extended absences may make it more difficult for your child to learn necessary foundational skills that ensure student success this year and in future school years.

Learning Objectives

By the end of the first semester, students will be able to:

TEKS

Biology TEKS Overview (Texas Essential Knowledge and Skills)

Core Content Areas

Domain	Key Concepts & Skills
Cell Structure & Function	<ul style="list-style-type: none">- Identify cell organelles and their functions (nucleus, mitochondria, ribosomes, etc.)- Differentiate prokaryotic and eukaryotic cells



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Biomolecules	- Understand the structure and function of proteins, lipids, carbohydrates, and nucleic acids
Genetics & Heredity	- DNA replication, transcription, translation - Mendelian genetics and Punnett squares - Patterns of inheritance
Evolution	- Natural selection and adaptation - Evidence supporting evolution - Speciation
Classification	- Taxonomic categories - Characteristics of domains and kingdoms
Ecology	- Ecosystem interactions - Energy flow in food chains/webs - Human impact on the environment
Homeostasis & Systems	- Body systems and feedback mechanisms - Maintaining internal balance
Photosynthesis & Respiration	- Chemical processes of photosynthesis and cellular respiration

Scientific Practices

- Plan and conduct controlled experiments
- Use scientific tools and safety equipment
- Analyze and interpret data using tables, graphs, and models
- Communicate findings clearly, orally and in writing

Course Resources

- Experience Biology Teacher Editions, SAVVAS

Grading Policy

According to Midland ISD Grading Policy:

[Student Handbook](#)

School-wide System of Communication



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Families can reach out by email, phone, or messages during school hours. We are to hear, to listen, to answer questions, and support you both.

Please feel free to reach out with any questions or concerns. We are excited to work together to make this a successful year of learning!

Please fill out the portion below and return this portion to your teacher.

We acknowledge that we have read and that we understand the expectations in [grade level or course]. We agree to contact the teacher should we have any questions or concerns regarding this instructional plan.

Parent Name: _____

Student Name: _____

Cell Phone Number: _____

E-Mail: _____

Parent Signature : _____

Student Signature: _____

Date: _____