

**6<sup>th</sup> Grade Science**  
**2023 - 2024 Course Syllabus Term 3**

<b>Teachers:</b>	<b>Pheon Chatman</b> <b>Kelly Gilbert</b> <b>Charlotte Hise</b> <b>Yvette Nelson</b> <b>Gwen Shoemaker</b> <b>Renee Schoerner</b>	<b>Email:</b>	<a href="mailto:pheon.chatman@biloxischools.net">pheon.chatman@biloxischools.net</a> <a href="mailto:kelly.gilbert@biloxischools.net">kelly.gilbert@biloxischools.net</a> <a href="mailto:charlotte.hise@biloxischools.net">charlotte.hise@biloxischools.net</a> <a href="mailto:yvette.nelson@biloxischools.net">yvette.nelson@biloxischools.net</a> <a href="mailto:gwen.shoemaker@biloxischools.net">gwen.shoemaker@biloxischools.net</a> <a href="mailto:renee.schoerner@biloxischools.net">renee.schoerner@biloxischools.net</a>
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**Objectives:** These are the College and Career Readiness Standards students are expected to master.

P.6.6.1 Use an engineering design process to create or improve safety devices (e.g., seat belts, car seats, helmets) by applying Newton's Laws of motion. Use an engineering design process to define the problem, design, construct, evaluate, and improve the safety device. \*

P.6.6.2 Use mathematical computation and diagrams to calculate the sum of forces acting on various objects.

P.6.6.3 Investigate and communicate ways to manipulate applied/frictional forces to improve movement of objects on various surfaces (e.g., athletic shoes, wheels on cars).

P.6.6.4 Compare and contrast magnetic, electric, frictional, and gravitational forces.

P.6.6.5 Conduct investigations to predict and explain the motion of an object according to its position, direction, speed, and acceleration.

P.6.6.6 Investigate forces (gravity, friction, drag, lift, thrust) acting on objects (e.g., airplane, bicycle helmets). Use data to explain the differences between the forces in various environments.

P.6.6.7 Determine the relationships between the concepts of potential, kinetic, and thermal energy.

## Tests and Grades

**Grading:** A=90-100 B=80-89 C=70-79 D=65-69 F=below 65 I=incomplete

Grading follows the policies of Biloxi Public Schools.

A mid-term progress report and a report card following the end of each term are issued.

**Tests:** Tests are given upon completion of a unit. If absent, make-up work should be completed within 10 days of returning to school.

Unit 1 Assessment Newton's Laws of Motion the week of January 22nd, 2024

Unit 2 Assessment Investigating Energy the week of February 22nd, 2024

Unit 3 Assessment Investigating Forces the week of March 4th, 2024

**\*Dates of the tests are subject to change\***

**Reteach and Retest:** All teachers will participate in re-teaching and re-testing for BUE students. All students who fail a Science test will be retaught and retested. Students will be allowed to **retest** on **one** major department test, not activities, or the CTA (Common Term Assessment.) per subject area per 9 week period.

**Course Requirements:** Students are expected to complete all bell ringers and class work/homework assignments. Students are expected to prepare for tests and complete them within **one** class period.

### Grading Scheme:

CTA (Common Term Assessment) = 5% Tests = 60% Activity = 35%

<b>Important Dates:</b>	Midterm Progress Reports:	February 2, 2024
	Common Term Assessment (CTA) Window:	March 11 - 15, 2024
	End of Term 3:	March 13, 2024
	Term 3 Report Cards:	March 20, 2024