

Physics Syllabus

Mrs. Boeshans

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Section 1: Class Goals:

Our goals are to become proficient in measuring and analyzing motion, forces and vectors. This includes both linear and circular motion. Students will explain heat transfer in thermodynamics, understand the basic principles of static and current electricity, and explain the behavior of waves. In all our topics of study it will be imperative to accurately measure and record data in metric units, as well as analyze, represent and interpret data in the form of graphs and equations.

Section 2: Classroom Expectations:

Best effort.....everyday.

Section 3: Materials Needed Daily:

A calculator is a must every day. Also, a 3-ring binder, loose-leaf paper, graph paper, pencil, chromebooks.

Section 4: Procedures:

- Students will find their seat and get out their binders upon entering the classroom. If there are questions on assignments, students should be getting those ready as well.
- All lab areas must be clean before leaving the room.
- Late Work Policy: One day late = 90% credit; two-six days late = 50% credit; 1 week or later = no credit
- Parents will be given important notifications via the Remind App.

DISTANCE LEARNING PROCEDURES

- TEAMS – everything is in Teams. Everything is posted here as far as assignments and all assignments will be uploaded here.
- Apps to use on phones if possible: Teams, One Drive, Flipgrid
- Attendance is **required** and students will be held to high standards of learning.
- Use video chat in Teams to get one-on-one help from me.

Section 5: Tentative Schedule/Scope and Sequence

This is a very tentative schedule:

August: Metric System; Dimensional analysis, graphing

September: 1D Kinematics

October: Newton's Laws – Bridge design

November: Vectors – Motion in 2 Dimensions

December: Momentum and conservation

January: Circular Motion

February: Work and Simple Machines

March: Thermodynamics

April: Waves

May: Electricity and Magnets

Please sign here after you have read the syllabus:

Student Name _____

Student Signature _____

Parent/Guardian Signature _____