

Physics

Contact Information:

Mr. Fife

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Course Overview: This class will be cover Chapters 1-25 of the textbook and cover the Virginia Standards of Learning for Physics. It provides an introduction to the application of quantitative tools to the physical sciences, and it provides material that will be helpful in college-level science and engineering courses.

- ◆ SI Units, Problem Solving, and Laboratory Skills.
- ◆ Motion in one Dimension.
- ◆ Vectors.
- ◆ Newton's Laws and Forces.
- ◆ Non-Linear Motion (Projectile Motion, Rotational Motion, and Circular Motion).
- ◆ Work, Energy, and Momentum.
- ◆ Fluid Mechanics.
- ◆ Thermal Physics.
- ◆ Wave Models (Sound and Light).
- ◆ Optics.
- ◆ Electricity and Magnetism.
- ◆ Modern Physics.

Materials needed for class:

3 ring binder
Pencils
Notebook Paper
Graph Paper
Ruler
Textbook

A Canvas Course will contain copies of my handouts and links to internet physics resources. The enrollment code for the Canvas Course will be provided in class.

This class can count as an unverified science credit for graduation requirements. It teaches fundamental principles of the scientific method and physical science, and it contains ideas important in any field of science or engineering.

Assessment

Each assignment in physics will be classified as a Major Assessment, a Minor Assessment, or a Participation Grade. Per Augusta County Policy, Major Assessments count as 50% of a Nine Weeks Grade, Minor Assessments count 40%, and Participation counts as 10%.

A Major Assessment can be corrected or attempted again to improve the grade. Any retake or correction of a Major Assessment must be attempted within one week of the day that the assignment is returned to the student. Points lost due to late penalties cannot be regained through a retake or a correction. Retakes on lab writeups can regain a maximum of 50% of the originally lost points. Retakes on graded physics problems can improve the grade up to 100%.

Minor Assessments and Major Assessments will be accepted late at a penalty of 10% per day. Participation Grade assessments will not be accepted late.

There is no End Of Course SOL test for physics, but there will be a final exam. Augusta County District Policy applies to exam exemptions.

Semester Grades are calculated as a numeric average. Eighty percent of the final grade is taken from the nine weeks grades, and the remaining twenty percent comes from the exam. A 60% average is required to pass this class.

Grading Scale

A+ = 98-100	B+ = 88-89	C+ = 78-79	D+ = 68-69
A = 92-97	B = 82-87	C = 72-77	D = 62-67
A- = 90-91	B- = 80-81	C- = 70-71	D- = 60-61
F = 0-59			

Missed Work: Missed work will be placed in the Make-Up work folder for students to pick up upon return. Makeup work is generally due three days after you return. If you can't make this deadline for a good reason, you need to let me know **before** the deadline passes.

Other Important Information

- Make up tests must be taken before or after school.
- Come to class prepared every day. Your textbook, notebook, **pencil** and a pen are needed.
- Put book bags under your desks so that the aisles can be kept clear.
- There is to be no food or drink in the class. The only exception is bottled water.
- Keep the cell phones and other electronic devices put away during the entire class.
- Progress reports will be given every nine weeks at approximately the mid-point of that nine weeks.
- 4 unexcused tardies will result in a referral.

The Augusta County School Board does not discriminate on the basis of race, color, national origin, religion, age, disability, or gender in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. The following persons have been designated to handle inquiries regarding non-discrimination policies:

<p>Title IX Coordinator</p> <p>Jill R. Martin Director of Personnel PO Box 960 18 Government Center Lane Verona, VA 24482 (540) 245-5107</p>	<p>Section 504 Coordinator</p> <p>Douglas W. Shifflett, Jr., Ed.D. Asst. Superintendent for Administration PO Box 960 18 Government Center Lane Verona, VA 24482 (540) 245-5108</p>
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