**Hephzibah High School**

**What to Expect for AP Physics 1**



**Contact Information:**

Teacher: Mr. Dingman

Office Phone: 706-592-2089

E-mail: dingmje@boe.richmond.k12.ga.us

**Progress Report Dates:**

Sem 1: 12 September, and 31 October 2025.

Sem 2: 12 February, and 27 March 2026.

**Report Card Dates:**

Semester 1: Jan 13th. Semester 2: 27 May 2026

Conference by appointment only

\*Visit the class webpage at https://www.rcboe.org/Domain/1827

**Class Materials: Required Daily!!**

• RCSS District issued laptop or 1:1 Device (not phone)

• Blue or Black Pen and Pencils (Pens will be needed for Labs)

• 1" 3 Ring Binder and Binder index dividers (to help with organization)

 • Filler college ruled lined paper and Filler graph paper

 • Folder

• Laboratory Notebook. This can be a composition notebook, but it would be preferred to have a University grade laboratory notebook to show prospective universities to get laboratory credit for the class (pending exam results). Options include the AMPAD Computation Book 4x4 Quad Ruled (spiral or regular bound): Ampad Computation Book, 4x4 Quad Ruled, 76 Sheets, 11-3/4" x 9-1/4",

* Ruler
* AP Physics Formula Sheet

 **Course Description:** AP Physics 1: Algebra-Based, or just AP Physics, is essential for understanding motion and energy. AP Physics 1 is designed to be the equivalent of a first semester college algebra-based
physics course devoted to topics in Newtonian Mechanics. Students will cultivate their understanding of physics by developing models of physical phenomena through inquiry-based investigations (hands-on laboratory experiments). This course will focus on AP exam preparation and
to foster skills that will allow for the student to be college ready through course completion.

**Prerequisites**
From College Board: "Students should have completed Geometry and be concurrently taking
Algebra II or an equivalent course. Although the Physics 1 course includes basic use of trigonometric functions, this understanding can be gained either in the concurrent math course or in the
AP Physics 1 course itself."
Note to student: Students who have completed AP Precalculus or are taking the course currently will be well prepared for the class.

**Course Curricula**
Unit 1: Kinematics - August
Unit 2: Force and Translational Dynamics - September
Unit 3: Work, Energy, and Power - October
Unit 4: Linear Momentum - November
Unit 5: Torque and Rotational Dynamics - December/January
Unit 6: Energy and Momentum of Rotating Systems - January/February
Unit 7: Oscillations - February/March
Unit 8: Fluids - March/April
We will aim to finish all units before the start of Spring Break.
The AP Exam will take place in May with the exact date being listed on College Board.

Launchpad, Canvas, and Textbook
• Launchpad is our single sign on platform. All the apps/webtools that students will access
throughout the school year, in all their courses, can be found here.
• Canvas, our learning management system, can be found in each student’s Launchpad. The
courses they are registered for will be displayed on the Dashboard in Canvas. Click on
each course to find announcements, assignments, and all online instruction. You may also
download the Canvas app for parents and the Canvas app for students to your cell phone
or tablet.
• AP Classroom, accessible through AP Central, will be your student’s primary destination
for AP course content. They will be given instructions to register for the class section in
person and access information will be available on Canvas.
• Mastering Physics, Pearson will be your students destination for accessing their e-text as
well as various assignments. Students will also be receiving a physical textbook.
• Textbook. College Physics: Explore and Apply 2nd Edition, AP® Edition © 2019

**Grading Scale for the grading periods:**

**Minor Assignments** (Quizzes, Minor Labs, Safety Test)……………………………………..……..**60%**

 **Major Assignments** (Unit Tests, Projects, Detailed Lab Assignments.)…………………………….**40%**

**Makeup work**: Make up tests and labs will be given **after** school. It is **YOUR** responsibility to get **YOUR** missed work. All assignments are available in Canvas, this will be the easiest way to get your missed work.

**Late work**: Assignments will receive a due date, and will be late if they are not submitted on time. If you submit late assignments you will be impeding your ability to learn and retain the information in a timely manner. **Five days** is the allotted time for turning in late work.

**Several Science Projects** will be required for this class. This will be a working class, but you should also expect that I will have to cover information with you prior to beginning the learning experiences.

**Homework** will not be assigned every night, but due to the volume of new information you will be learning, it is a good idea to get in the habit of studying every night. Even if I do not give you a formal homework assignment, set aside at least 10-20 minutes of uninterrupted time and read over the information presented in class that day/week and/or the textbook. It is an especially good idea to review vocabulary words. Homework is a non-graded assignment, it is practice. We will review it, discuss it in class, you can earn PBIS points with it but it will not be part of your grade.

**TUTORING**: Tutoring is on Mondays at 2:30 to 3:30. Any other extra help sessions need to be scheduled with me ahead of time! Make-up tests, and labs will be given **after** school during tutoring sessions, different times can be scheduled with me. Must be done in a timely manner.

**Class Rules and Expectations**

Rules: The requirements that must be followed or consequences occur.

Expectations: The requirements that should be followed but consequences don’t typically occur.

**Rules:**

1. Prohibited items: Personal Electronic Devices, Hoods, Earbuds, Head Phones, and Sunglasses.
2. Be respectful to teacher and other classmates. **(do not talk while teacher is lecturing, treat classmates kindly.)**
3. Be prompt, on time, and prepared to learn.
4. Do not be disruptive to the educational process.
5. NO food. It will be taken away. Seriously please no food, under most circumstances.
6. Conduct yourself in **a safe** and productive manner at all times.

**Some Student Expectations:**

1. Join Remind
2. Be Honest
3. Do not distract others from learning or the teacher from teaching.
4. In seat on time, not wandering around class. Begin Do Now.
5. If you make a mess clean it up.
6. Respect people’s property and others.
7. There are many more expectations that a good citizen follows, too many to list. Refer to power point.

**Some Parent/Guardian Expectations:**

1. Check Infinite Campus at least 1 time per week.
2. Join Canvas Courses as an Observer
3. Contact the Teacher or School with questions.
4. Join my Remind to facilitate contact and to help you ask questions.

I have read and I understand the class Syllabus. I have also read and I understand and will abide by the Rules and Expectations.

Student Printed Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

I have viewed the copy of the syllabus and Rules and Expectations given to the student and will help them to follow the all guidelines above to the best of my ability.

Parent Signature \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contact Number and/or Email \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(Home, Cell, Work)

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Students and Parents, please sign up for my Remind Classes for easy contact:

Physics Remind Student

Class name: AP Physics 2025-2026

class code: @ d4c383

 Physics Remind Parent Class name: Physics Parent 2025-2026

class code: @4hak3h