

**Physics**  
**Course Syllabus**  
**Mr. Jody Grant**  
BS in Physics  
M.Ed., Ed. S. in Leadership  
Augusta State University & Lincoln Memorial University  
Broad Field Science Certified  
Teaching at Westside for 20 years

**Course Description:**

Physics is a study of the basic concepts of science - measurements, motion, force, energy, momentum, light, sound, electricity, and magnetism. Instruction includes theory, calculations, and experiments geared towards giving students a firm foundation for college and career. The course is based on the curriculum guidelines provided by the State of Georgia under the Georgia Standards of Excellence (GSE) for Physics ([www.georgiastandards.org](http://www.georgiastandards.org)). Instruction includes theory, calculations, and experiments geared towards giving students a firm foundation for college.

**TOPICS**

The Science and Math of Physics	Gravity and Rotational Motion
Kinematics and Mechanics	Wave Mechanics
Energy and Thermodynamics	Acoustics and Optics
Structure of Matter	Electrostatics and Electromagnetism
Nuclear Physics and Radioactivity	Quantum Mechanics

**Required Materials:**

- One 1-inch 3-ring binder (NO spiral notebooks or folders with brads)
  - Loose-leaf paper
  - Pencil or blue/black ink pen (a pencil is preferable)
  - Textbook (hardcopy or virtual)
  - Calculator (preferably scientific) (phones cannot be used as calculators in class)
- \*\*All required materials should be brought to class everyday

Text:

Physics (James S. Walker, Pearson)

**Online Rules and Policies**

**All video will be posted to your Canvas for you to review if needed.**

**Try to be online 5-10 minutes before start time to give you time to fix any tech issues if you have them.**

**Teams Meeting RULES:**

1. Students are to **Respect** all teachers and other students.
2. Students are to be in attendance for all meetings. If you need to be absent for the meeting, please let me know ahead of time.
3. Students are to bring all materials to meeting to take notes or for discussion.
4. Students are to participate in meetings and complete all assignments on time.
5. Students are to follow the rules according to the Westside Student Handbook.
6. Phones are allowed to be used for meetings but if you are working on a computer please limit your phone use during the meeting.

**Discussion RULES:**

1. During discussions you must be respectful with your comments and posts. Inappropriate comments will be sent to administration for review.
2. We are going to be dealing with quit a few people online at the same time so muting your microphone will help keep down the interruptions. If you have a question, there is a “raise your hand” icon you can click to get my attention.
3. Please participate in discussions, this is one way I can tell how much help is needed or you can email me with questions if you are uncomfortable at first.

**Evaluation:**

Each nine-week grade will be based on 40% for tests and projects, 20% for labs, 35% for quizzes, classwork, discussion, startups/tickets out the door, and 5% for homework.

Notebooks are very important in this class. Each entry or item in the notebook will be assigned a number. Your notebook will be checked at the end of each marking period. I will show you how to set up your notebook.

Lab grade will be determined from the lab report and from participation in the lab. You must clean up your lab station when you finish your lab. Points will be deducted for not doing so. Each person is responsible for turning in a report unless I tell you to turn it in as a group. No two lab reports should be identical. Due date for each report will be given at the beginning of the lab.

**Make-up Assignments:**

Any time you miss any part of class, you are responsible for getting assignments and notes. I will work with you to develop a make-up plan within a 5-day window.

Please check my page on the school website and Canvas to stay current on all assignments (<http://westside.rcboe.org>)

**My Help:**

If you need any help with any material we cover, please let me know. The sooner you make me aware of any problems, the better. I am here to help you. **Do not wait until the day before the test to ask me questions.** I am available most every day after school until 3:45, and I will also be at WHS by 7:00 each morning. I strongly encourage you to take advantage of this time. **CONTACT ME!**

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Please have this syllabus signed within two days. It is the first entry in your notebook. If you have any questions or concerns, you may contact me at the school (868-4030 or [GrantJo@boe.richmond.k12.ga.us](mailto:GrantJo@boe.richmond.k12.ga.us)). My planning period is from 9:25 a –10:15a each day. I look forward to an exciting year!

I have read the entire syllabus, and I understand what is expected of me in order to be successful in this course.

Student Name (Printed) \_\_\_\_\_

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

\_\_\_\_\_  
Date

I have read the entire syllabus, and I understand what is expected of my student in order to be successful in this course.

Parent/Guardian Name (Printed) \_\_\_\_\_

\_\_\_\_\_  
Parent/Guardian Signature

\_\_\_\_\_  
Date