

**William T. McFatter Technical High School
6500 Nova Drive
Davie, Florida 33317**

**Honors Physics
Syllabus**

1. COURSE DESCRIPTION

Honors Physics is offered as the 12th grade science course to students at McFatter Technical High School. It is presented in a manner that allows for a great deal of hands on learning through laboratory experiences in addition to reading, lectures and traditional methods of teaching.

Physics is a science that continually builds upon knowledge. Missing key concepts along the way will negatively affect the student's ability to maintain successful performance.

The material is presented in class with a high level of expectation of student performance, especially in Mathematics.

It is understood that the Student has a functional knowledge of ALGEBRA and basic TRIGONOMETRY as a prerequisite for this course. If this is NOT the case, please notify the instructor during the first week of class.

2. GENERAL INFORMATION

Name of instructor: Mr. Timothy McKeever
Room number: 360
Telephone number: 754 321 5700 X3048
E-mail address: timothy.mckeever@browardschools.com
Website: www.mcphysics.com

Students are expected to sign up to the class Remind 101 distribution list so that important information can be sent to you via text message.

3. TEXTBOOK

PHYSICS, 2009, Serway & Faughn

Available in Hard Copy, as a PDF file and online at BEEP

The instructor has the right to modify the syllabus as required during the course of the semester. No changes will affect any student requirements prior to the date of change. If changes are made, the instructor will reissue the syllabus indicating any new or revised requirements prior to implementing the change.

4. MATERIALS

Students will be expected to have the following materials for class every day:

- ✓ Notebook with pockets for handouts, etc. OR a three ring binder
- ✓ Paper and pencil (or pen)
- ✓ Scientific calculator (Scientific notation, Trigonometric functions – sin, cos, tan)
 - ***A CALCULATOR will be provided for use in class. We will be using functions you may not be familiar with, so having a calculator of your own is essential to complete assignments.***

It is possible that some of the laboratories or extra credit projects may require the purchase of incidental items depending on the project selected by the student(s), and the approach chosen to solve the problem. These must be reviewed with the instructor prior to beginning the lab.

5. COURSE OBJECTIVES

Students will learn the principals of physics through:

- ✓ ***Pre-reading the chapter assignment prior to class***
- ✓ Classroom instruction
- ✓ Problem solving
- ✓ Participation in cooperative classroom laboratory procedures and experiments
- ✓ Independent analysis and reporting of laboratory activities

Assessment of student learning will be made through the evaluation of:

- ✓ Independent reading (Pop Quiz)
- ✓ Quizzes following various sections of the chapter
- ✓ Tests following each unit
- ✓ Laboratory analysis and reports

6. ATTENDANCE AND EXPECTATIONS

Students are expected to:

- ✓ **be nice**
- ✓ Attend class every day, and arrive ON TIME. After any 5 absences or tardies in a marking period, an office referral will be submitted as required by County Policy.
- ✓ Participate in a positive manner
- ✓ Complete all assignments accurately and on time
- ✓ Behave in a manner that demonstrates maturity and mutual respect.
- ✓ Spend the 90 minute class period WITHOUT the use of Electronic Devices
- ✓ Use rest room privilege appropriately. (Keep in mind that this is a privilege that I do not have ☹)
- ✓ For all problem solutions, I expect to see the following (each will have an equal point value);
 - Data Table
 - Equation selected to solve the problem
 - Solution to that equation
 - Answer to the problem.

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7. ELECTRONIC DEVICES

Please take special note:

I have a very clear policy regarding CELL PHONES and other ELECTRONIC DEVICES.

If the use of a device, in any way, disrupts or detracts from the learning experience for you, or those around you, IT WILL BE CONFISCATED.

I am the judge of disruption and distraction.

It is in both of our best interest that you are certain that you understand this policy.

8. GRADING POLICY

We are using a developing grading system this year, FOCUS. It is possible that there will be periods when the system does not accurately reflect student grades.

Student grades will be calculated on a total points system as follows;

Homework	ON TIME	20 Points
	LATE	10 Points
	AFTER Chapter Test	0 Points
Section Quizzes		20 pts/problem
Laboratory Response Sheets		200 points
Unit Tests		
Concepts (usually Multiple Choice)		200 points
Problems		20 - 40 pts/problem

SPECIAL NOTE: If a student has a final semester grade that is one point away from the next higher letter grade, then the following policy applies:

If the student's problem review quiz grade is an A;

And if the student can demonstrate conceptual understanding of the material;

And if the student has no office referrals or unexcused tardies,

Then there will be an evaluation to determine whether the additional point may be earned.

Cheating and Plagiarism

Simple – You cheat, You get a ZERO

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