

**Physics**  
**Bishop McNamara High School**  
**2007-2008 Course Information**



**REQUIRED MATERIALS**

The following must be brought to class *every* meeting:

- Textbook (must be covered at all times):  
    Conceptual Physics, Ninth Edition, by Paul G. Hewitt. Addison Wesley, 2002.
- Binder for notes, handouts, and past work
- Scientific calculator
- Pen and pencil

**CLASSROOM EXPECTATIONS**

Be in your seat and quiet, ready to begin class when the bell rings. Warnings will not be given after the first day of class.

Have all required materials for class.

Place book bags *under* your desk.

Respect all other people and things in the class room.

Where not otherwise indicated, school rules outlined in the Student Handbook apply.

Violations of classroom expectations may result in personal or school detentions, depending on the severity of the offense and the response of the student. Classroom disruptions, including failure to be prepared for class, have the additional penalty of a grade reduction.

**STUDENT EVALUATION**

To succeed in physics class, a student must have a strong work ethic. Late or incomplete work is the primary cause of poor grades in this class. Always remember to work hard and complete assignments on time. *Unexcused late work will not be accepted.* This means zero credit will be given for work submitted once class has commenced on the due date.

<u>Quarter Grade</u>		<u>Semester Grade</u>	
Test and Quizzes	30%	Quarter 1	40%
Homework	30%	Quarter 2	40%
Labs	30%	Exam	20%
Effort	10%		

**Tests and Quizzes**

Understanding and application of learned principles are the keys to performing well on tests, although some memorization will be required. Both announced and pop quizzes will be given during the course.

**Homework**

Homework will be assigned from the textbook and the workbook. There will also be occasional reading and writing assignments from outside the regular textbook.

**Labs**

Throughout each grading period, experiments will be performed as allowed by the topics being covered. These experiments will challenge the student's ability to systematically problem solve while exploring physics principles.

**Effort**

Strive for success. Study hard, ask questions, be inquisitive, and take pride in your work.

## SEMESTER PROJECTS

There will be one long term project each semester. The 1st semester project is the catapult competition. The tentative date for the catapult competition is Monday, November 19, 2007. It will take place after school on the football field. The 2nd semester project will be announced at a later date.

## TECHNOLOGY

### **PhysicsPlace.com**

A very helpful website that accompanies the textbook is located at [www.PhysicsPlace.com](http://www.PhysicsPlace.com). Click on the 9th Edition textbook and log on using the username **notwen** (Newton backwards) and password **mcnamara**. The website includes tutorials, videos, quizzes, etc. that are very helpful in understanding physics concepts.

### **Text on CD-ROM**

Each student will have a CD-ROM which includes the full text. The student has the option to use the CD-ROM at home instead of carrying the textbook back and forth from school.

### **Instructor's Website**

I keep a website for my classes at the following URL: [www.TheTeacherOnline.com](http://www.TheTeacherOnline.com)

## SEQUENCE OF UNITS

### Mechanics

- Newton's 1st Law
- Linear Motion
- Newton's 2nd Law
- Newton's 3rd Law
- Momentum & Energy
- Rotational Motion
- Gravity
- Projectile and Satellite Motion

### Waves and Sound

### Electricity and Magnetism

### Light and Optics

### Special and General Relativity

### Modern Physics

## CONTACT INFORMATION

I may be reached by e-mail or phone. Please do not hesitate to contact me.

instructor: Mr. Kyle M. Green  
e-mail: [greenk@bmhs.org](mailto:greenk@bmhs.org)  
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School phone: 301.735.8401 x251 (W)

I coach cross country in the fall, so no after-school appointments can be made until mid-November. If assistance is needed outside of class, arrangements can be made to meet before school or during a student's free period.

