

2017-2018

Physics

Course expectations

Text: Glencoe Physics

**Items needed:** Scientific calculator \$8.00-\$12.00 at Wal-Mart or Office Max, A three ring binder (notebook), and a mechanical pencil.

**Classroom expectations:** Students are required to be in their seats ready for class with calculators, pencils and notebooks when the bell rings. A tardy will be given if the student leaves class to retrieve these items from their locker after class begins. \_\_\_\_\_ initial. **No cell phones are allowed to be on during class without permission.** \_\_\_\_\_ initial.

*Students are required to take notes and keep completed assignments in their notebooks. \_\_\_\_\_ initial*

**Homework expectations:** Students will be assigned homework periodically. If you experience problems with the homework, you should attend the tutorial period in room 201. **Homework may be assigned during the spring break.** I have found that students require this continuity in learning the sciences.

**Exams:** Tests will be given approximately every two-three weeks. A final exam is given at the end of each semester that counts as 20% of the semester grade.

Grades:

A= 100%-89.5%

B= 89.4%-79.5%

C=79.4%-69.5%

D=69.4%-59.5%

F =59.4%-0%

Grades are based on student performance on homework, labs, tests, notebooks and class participation. Extra credit may occasionally be offered only if all other assignments have been completed.

Parent Signature: \_\_\_\_\_ Student Signature: \_\_\_\_\_

**Introduction:**

**Overview and timelines**

**Presentation criteria**

**Lab report formats**

**Lab report scoresheets**

**Kinematics**

**Unit I: Scientific thinking in experimental settings**

**Unit II: Constant velocity particle model**

**Unit III Particle undergoing uniform acceleration**

**Unit IV free particle model**

**Unit V Constant force Model**

**Unit VI Particle models in two dimensions**

**Unit VII Energy**

**Unit VIII Central force particle models**

**Unit IX Impulsive force particle model**