**Oldham County High School**

Course Syllabus – Physics

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| **Course Information** | **Teacher Information** |
| Credit Hour: Science requirement | Name: Mr. McQueary |
| Website: https://mcquearyphysics.weebly.com/Room: 242 | Planning: 3rd Period (10:35 – 11:25 AM)E-Mail: zane.mcqueary@oldham.kyschools.us |
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**Course Description:**

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| The course objective is to provide students with a fundamental understanding of the principles of high school physics.  Students will learn about motion, forces, energy, electricity, waves and other physical phenomena. |

 **Course Competencies/ Learning Objectives**

Students who successfully complete Physics will be competent in the following areas:

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| * *Unit 1 - Introduction*
* *Unit 2 - Constant Motion*
* *Unit 3 - Accelerated Motion*
* *Unit 4 - Vectors & Relative Motion*
* *Unit 5 - Projectiles*
* *Unit 6 - Newton's Laws*
* *Unit 7 - Friction & Forces in 2D*
* *Unit 8 - Gravity & Circular Motion*
* *Unit 9 - Work, Power, & Energy*
* *Unit 10 - Impulse & Momentum*
* *Unit 11 - Waves, Sound, & Light*
* *Unit 12 - Electricity*
* *Unit 13 - Electromagnetism*
* *Unit 14 - Heat Transfer & Geophysics*
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**Materials Required for Class:**

Required materials include pencil, paper (notebook or binder), ruler or protractor, graphing or scientific calculator, and textbook. Optional supplies include tissues and hand sanitizers. The textbook information is listed below.

Zitzewitz et al. (2009). *Glencoe Physics: Principles and Problems.* Columbus, Ohio: McGraw-Hill.

**Student Evaluation**

The grading system is as follows:

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| Tests, Projects, & Major Papers | - | *70%* |
| Quizzes, Homework | - | *30%* |
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**Class Requirements**

Homework will be given approximately four days a week. It will be collected in the beginning of class the day it is due. It is YOUR responsibility to complete homework assignments.

If you are absent, it is YOUR responsibility to make up the assignments and/or tests when you return. For every one day of an excused absence, the student will have one day to make up missed work.

**Cell Phones:**

As per Oldham County High School policy, cell phone use is prohibited during class. Students cannot use the calculator function on their phones during class.

 **General Information:**

*If you are having trouble with this class, come to me immediately and I can work with you. If you wait till the end of the marking period, it will be TOO LATE.*

 **Please check and sign below**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_***I have read the information and I fully understand what I’m expected to do in class.*

*Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

*Parent / Guardian Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*