## **Mr. Rodgers - Concepts of Physical Science**

## **Welcome back to Erie High. I hope we all have a great year!**

## **Coursework:**

## **This course is a non-math based course studying the aspects of physics. The course will be broken into 6 units including:**

1. **Unit 1 - Energy Flow from Earth’s Systems** - In this unit we will learn about the scientific method and modeling through the lens of energy flow in our community and power grid.
2. **Unit 2 - Energy, Forces, and Earth’s Crust** - This unit will build upon our knowledge of energy flow by seeing how energy transfer and unbalanced forces lead to movement of the earth itself.
3. **Unit 3 - Collisions and Momentum** - This unit will focus on the concept of momentum and the motion of objects, by looking at how traffic collisions can be made safer for humans involved in accidents.
4. **Unit 4 - Meteors, Orbits, and Gravity** - This unit will introduce us to orbits and gravitation through the motion of objects in our solar system.
5. **Unit 5 - Electromagnetic Radiation** - In this unit we will look at the use of electromagnetic waves in human society, as well as their benefits and hazards to us.
6. **Unit 6 - Stars and the Big Bang** - In this unit, we will look at the forces involved in the formation, life and death of stars.

## **Grading and Assignments**

1. **All assignments will be posted on Schoology each day.**
2. **Grading is broken down as follows:**
   1. **Classwork - 55%**
   2. **Notebook - 10%**
   3. **Tests - 35%**
3. **This course follows the standard district grading scale of:**
   1. **90-100% A**
   2. **80-89% B**
   3. **70-79% C**
   4. **65-69% D**
   5. **<65% F**

## **Behavioral Expectations for Students**

Most behavioral expectations are outlined in the Erie High Student Handbook. However, there are a few areas that I want to reinforce for my classroom.

1. Cell phones and electronic devices should be kept in your backpack or locker and out of sight. This is a district level policy, you will receive two warnings and then I must email an administrator to confiscate your phone. I do not want you to lose your phone, please just keep it put away in class.

2. Please show respect to yourselves, other students, the classroom and me. We are together 180 days, let’s treat each other the way we want to be treated, or it's going to be a long year for everyone.

3. I will grade assignments typically the day after I assign them. They will appear in Infinite Campus and Schoology as missing at this time. This does not mean that you cannot turn in the assignment, I am merely marking them so that you know they need to be completed. ALL assignments will be available in Schoology until the end of each quarter. Notebook checks will be done every week or so.