

## Dear AP Physics 1 Student and Parent/Guardian:

You have elected to enroll in Dual Enroll/AP Physics 1 at Northwest High School. AP Physics 1 is intended to be at the “COLLEGE LEVEL”. It is equivalent to Physics 1110 at UNO. It can be a challenging course, especially for those who have not had physics before. We will cover one semester worth of physics in one year. This will allow us time to work on the concepts and do laboratory experiments. We will cover Kinematics, Dynamics, Rotational Motion, Momentum & Mechanical Energy, Waves & Sound and Electricity. Our pacing should allow for us to have two weeks of intensive review prior to the AP exam in early May.

### The class will run as follows:

We will meet two consecutive periods, every day. This will allow us time to complete the many labs AP college board encourages us to perform. This is really an ideal situation and I am very pleased that we are able to do this!

### What is this course all about:

This course is designed to provide the information necessary for a student to score well enough on the AP Physics 1 exam that he/she could earn college credit. This course also has a “dual enrollment” component with University of Nebraska at Omaha. The course is designed to replace Introductory Physics (non calculus based) at many colleges and universities. The course will utilize trig and algebra. It is assumed that students taking AP Physics are either currently enrolled in pre-calc/trig or have already taken it.

### What will I need to do:

You need to complete the Algebra review packet. It may seem like a lot of work, but if you are getting hung up on the Algebra of the quadratic formula or solving two equations simultaneously, then you will miss the concept behind the problem. There will be a **summative math exam** by day 2 when you return to school.

If you have any questions, concerns, or just want to touch base, please do not hesitate to contact me. My school number is 557-3542, my home number is 402-289-4020, my cell is 502-517-6081 and email is [lance.purdy@ops.org](mailto:lance.purdy@ops.org). I ***expect*** that you would call me, text me, beep me or email me at home during summer break if you have questions or concerns.

Thanks again,

Lance Purdy  
Physics  
Omaha Northwest High School

## Summer Assignment:

**Algebra Review Packet:** All work must be shown on a separate sheet, take your time, write big and attach the page of problems with the work. Circle or highlight your answers.

**Working together:** Working together is a skill that will prove to be useful in college. Students who work together are the A & B students. Those who do not are the C, D and F students. I will send out contact information so that you can get a hold of others who are enrolled in the course.

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Student: \_\_\_\_\_ Student Number: \_\_\_\_\_

current math course: \_\_\_\_\_ teacher's name: \_\_\_\_\_

current science course: \_\_\_\_\_ teacher's name: \_\_\_\_\_

home phone/cell phone: \_\_\_\_\_

home address: \_\_\_\_\_

email address *that you check*: \_\_\_\_\_