**Prospectus:** **2019-2020**

**Course:** PHYSICS HONORS

**Teacher:** P. Modine

**Contact:** paul.modine@cms.k12.nc.us

**General Course Content:**

Students will be expected to use the scientific method as they participate in inquiry-based activities. Students will develop creative problem solving skills using advanced mathematics as the basis. Higher thinking skills will be developed by using technology and discovery type laboratory activities. This course is aligned with North Carolina Standard Course of Study for Physics and will cover the following topics:

1. Measurement
2. Kinematics
3. Vectors
4. Newtonian Physics (Major Lab Portfolio-Honors Formal Write-up)
5. Momentum and collisions
6. Work and Energy
7. Electricity and Magnetism (Major Lab Portfolio-Honors Formal Write-up)
8. Waves
9. Properties of Light and Sound

**Materials and supplies:**

Spiral notebook for homework (Required)

Scientific Calculator

Something to write with

Some kind of notebook (organized by student, and can be the same as the spiral notebook above)

Internet access is preferred

**Tutoring times:**

Mon. 2:30 – 4:00

Wed. 2:30 – 3:30 except the 1st week of the month.

 **By appointment during 2nd lunch**

**Grading Policies: Each Semester**

* 1. Quarter 1 - 20% Informal Assessments
		1. Homework
		2. Labs
		3. Quizzes
		4. Daily Activities
	2. Quarter 1 -60 % Formal Assessments
		1. 3 Tests worth 100 points each
		2. 1 Lab Project worth 100 points Formal Lab Write-Up (each semester)
		3. 5 Internet assignments worth 20 points each
		4. Online internet HW site: <http://quest.cns.utexas.edu/student>
		5. Online HW process explained later. The grade for each assignment is based on the overall percentage of each assignment, including missed questions after the first 2 assignments.
	3. Quarter 1 – 20% - Mid-Term Exam
	4. Quarter 2 – 30% Informal Assessments + 70 % Formal Assessments
	5. Final Grade – 40% Quarter 1 + 40% Quarter 2 + **20% NC Final Exam**

**Homework Procedures:**

 1. All homework and warm-ups are to be done in your **spiral notebook**.

 2. They will be graded for completeness. (30% of the grade)

 3. Quizzes will be from these homework notebooks. (70% of the grade)

 4. The assignment will combine with the quiz grade for 1 HW grade.

 5. Work is due on the quiz date. If it is late you may turn it in for ½ credit.

 6. Free response questions/prompts on formal assessments and will come from these questions.

**Late Work Policies:**

Homework and class work will be due the next day after it is assigned

1. The student must make arrangements for work when they are absent.

1. The student has 5 days to make contact with the teacher from the day they return and have 10 days to return the make- up work for full credit
2. Work not turned in will be a zero.
3. Work turned in after the due date will be given ½ credit.
4. Lab work will not be counted late, **but the grade will be the same for all lab partners**.
5. Internet homework will **not** be accepted late. There are several days to get those done. Computer access will be available, but it is the student’s responsibility to get it done before the due date.

**Lab Work Policies:**

Lab work is a very important part of the scientific process

1. Lab work is to be done **in pairs**.
2. The lab will be graded as one assignment.
3. You earn the grade that your partner earns, so be responsible and collaborate with each other.

**Re-teaching and Reassessment:**

1. Any unit test below a 65% will be re-taught and re-assessed (i.e. test corrections or retests) for a maximum score of 65% during tutoring times. The rescore depends on the level of mastery of the reassessment.

**Teacher website:**

 **pmodine.weebly.com**

Due dates, notes, and assignments will be posted there, along with the class prospectus.

Parent alerts of upcoming events will also be here. If a student is absent it is a good place to download notes.

**Contact:**

Please contact me with any questions or concerns by email, and I will reply to you within 24 hours. **:** paul.modine@cms.k12.nc.us.

**Online Textbook:** I will have a class set, and I am able to download the book to your device if you have no internet.

Site: [www.essential-physics.com/NC](http://www.essential-physics.com/NC)

 Code: 6227104705

Please have parents/guardians and student sign below and return to Mr. Modine.

Cut here--------------------------------------------------------------------------------------

I received Mr. Modine’s Course Prospectus:

Parent/Guardian\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_email \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_