

WASHBURN HIGH SCHOOL PHYSICS 2 (2015 – 2016)

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What is Physics?

Physics is beauty. Physics is better than rock'n'roll. New Physics is bound to show up.
Physics is a very diverse subject. Physics is one of the oldest academic disciplines. Physics is hard.
Physics is phun. Physics is magic. Physics is weird.
Physics is a natural science that involves the study of energy and matter through space and time.
Physics is the underpinning of all science.

What will you be learning?

1st Quarter

- How do things move? (Chapters 4, 5)
- What happens when things collide? (Chapters 8, 9)
- How do you get something to move in a circle? (Chapter 10)
- What is gravity and how does it work? (Chapter 13)

2nd Quarter

- What are electricity and magnetism and how do we use them? (Chapters 34-37)
- What is light and how do we know? (Chapter 27)
- What is color? (Chapter 28)
- How do lenses work? (Chapters 29, 30)

See http://education.state.mn.us/MDE/Academic_Excellence/Academic_Standards/Science/index.html

Which textbook will we be using?

- "Conceptual Physics: The High School Physics Program" by Paul Hewitt (2009)
- you will get both your own personal hard copy and online access
- \$75 replacement cost (or buy one on Amazon ☺)

What's the grading scale?

≥ 93%	A	≥ 77%	C+	80%	Mastery ("summative")
≥ 90%	A-	≥ 73%	C	20%	Practice ("formative")
≥ 87%	B+	≥ 70%	C-		
≥ 83%	B	≥ 60%	D		
≥ 80%	B-	< 60%	F		

Mastery: Tests (one retake) and Formal Lab Reports (one rewrite)

Practice: homework, quizzes, classwork, mini-labs, online labs

What are the major assignments?

- Tests are approximately every three weeks and cover two chapters
- Tests are half multiple choice and half free response (problem solving, drawing, writing)
- You may retake tests once, within a week of the first take being graded & entered (only your retake score will count)
- You will take a Semester Final Exam (no retake on the Final; consider it the final retake)
- Each lab report will be written using a format similar to the IB Internal Assessment
- You will submit one formal lab report per quarter
- You may rewrite and resubmit each lab report once (only your rewrite score will count)

When are assignments due?

- Most work will be accepted late with a 10% penalty per day, until the assignment is graded and returned
- Work will not be accepted late after an assignment has been graded & returned
- Homework is not accepted late
- Tests and formal labs must be made up within 3 days of an excused absence by appointment before or after school
- You are responsible to find out what you missed (check the class website first)
- Any work missed because of an unexcused absence cannot be made up

Do tardies count?

- there will be a warm-up exercise most days; these count towards your grade (if your tardy is not excused then you lose the points for the warm-up)
- after 3 unexcused tardies, your parents/guardians will be contacted
- after 4 unexcused tardies, you will be referred to a Dean

What about extra credit?

- extra credit is occasionally embedded in tests, and is not offered on request
- keep up with your work, and *think about your grade now*, not later

How do I get extra help?

- stop by my room before (7:30 – 8:00 AM) or after (3:20 PM) school, by appointment
- tutoring will be available, times to be announced

What are the classroom rules?

- all Washburn policies will be followed (see the student handbook)
- I should never become aware of your “personal electronic device” for any reason (if I do, it will be confiscated, a.k.a. “bagged & tagged”)
- one person addresses the class at a time
- keep all “headgear” in your locker or in your backpack
- eating and drinking, except spill-proof water bottles, are not allowed in this classroom
- keep your coats in your lockers
- keep your backpacks, bags, purses, etc. on the floor, not on the tables

ASK QUESTIONS!