*Physics Syllabus 2014-2015*

Mr. Deets

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 Please feel free to email me at any time.

Syllabus is subject to change

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| **First Semester*** What is Physics?
* Mathematical Toolkit
	+ SI Units
	+ Conversions
* Velocity
	+ Vectors
* Acceleration
	+ Graphing velocity and acceleration in One Dimension
* Forces in One Dimension
	+ Newton’s Laws
* Forces in Two Dimensions
* Rotational Motion
* Momentum
* Energy, Work, and Simple Machines
 | **Second Semester*** Temperature
* Heat
* Thermodynamics
* Electricity
	+ Static Electricity
	+ Electrical Fields
	+ Current
	+ Circuits
* Magnetism
	+ Magnetic Fields
	+ Electromagnetism
	+ Electromagnetic Fields
* Optics
	+ Reflection/Refraction
	+ Lenses
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**Class Supplies Needed**

* Folder for handouts and notes
* Note book and or loose leaf paper
* Calculator
* Pencils!!!

**Homework**

* Homework and labs are expected to be turned in on the due date. Late work will be accepted until the unit test for a maximum of 50%. After the unit test, I will not accept the assignment and a zero will be placed in the grade book.

**Absences**

* If you were absent, school policy will dictate the due date of the assignments. If you miss an assignment or a test please come talk to me and we will schedule a time to make up the assessment. Extra handouts and assignments will be placed in the black bins as you enter the classroom. Look here for your late assignments. It is not up to me to hunt you down to make up an assignment, it is your job to come talk to me.

**Grading**

* Participation- 5%
* Homework/Homework Quizzes- 20%
* Labs- 25%
* Tests- 35%
* Quizzes- 15%

**Class Guidelines**

* Let your inner nerd shine. There is nothing wrong with showing excitement for the material we cover in class.
* Be prepared to work from bell to bell every day. There is no such thing as a free day in Mr. Deets’ classroom.
* Pick up handouts for the day on the table as you enter the classroom.
* Respect Mr. Deets, each other, the classroom, and yourselves.
* You may bring snacks to class as long as it doesn’t distract yourself or others around you. However, if trash is left in the classroom I may revoke this privilege.
* Be willing to participate in lecture, labs, projects, and other class activities.
* Please make sure your cell phone is off and in your pocket during class, unless I give you permission to use it during an experiment.
* If you are having difficulty in class please come see me before or after school. I would be more than happy to work with you.
* Don’t be afraid to make a mistake as long as you are willing to learn from it.
* Lastly, and most importantly, come to class with a positive attitude and have fun.