# CLAWSON HIGH SCHOOL SCIENCE DEPARTMENT Mr. Douglas McKnight

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# COURSE SYLLABUS

# Course: Physics

# Course Description:

The following state standards and topics will be covered during the Physics class. Months are given as approximate times that the topics will be covered.

September	Standard P1: Inquiry, Reflection, and Social Implications   Scientific Inquiry Scientific Reflection and Social Implications					
October - November	Standard P2: Motion of Objects Position Time Velocity Time					
	Standard P3: Forces and Motion					
	Basic Forces in Nature	Newton's Third Law				
December -	Net Forces	Forces and Acceleration				
March	Gravitational Interactions	Electric Charges				
Standard P4: Forms of Energy and Energy Transformations						
	Energy Transfer	Energy Transformation				
April - June	Kinetic and Potential Energy	Wave Characteristics				
•	Mechanical Wave Propagation	Electromagnetic Waves				
	Wave Behavior Reflection and Refraction	Nature of Light				
	Current Electricity Circuits	Nuclear Reactions				
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### Materials needed:

Textbook: <u>Physics</u> Holt, McDougal Pen or pencil Notebook with paper and pockets for handouts Agenda book Scientific calculator

### Grading Procedures:

Marking period grades will be determined by the percentage of points earned out of the total points possible. All assignments, quizzes, tests, labs, projects and participation will be given a point value, which will be used to calculate each student's percentage. The following grading scale will be used:

100-93 A	89-88 B+	79-78 C+	69-68 D+	Below 60 E
92-90 A-	87-83 B	77-73 C	67-63 D	
	82-80 B-	72-70 C-	62-60 D-	

### IMPORTANT:

If you track a grade on either Parent Connect or Student Connect, you need to be aware of the following information. The letter grade listed on Parent or Student Connect is the current marking period grade to date. Keep in mind that this current marking period grade may change suddenly and greatly when a major assignment is uploaded.

#### Absences:

All school policies for absences and tardiness will be enforced. Work missed due to an <u>excused</u> absence should be made up as quickly as possible. Students will not be given credit for work or tests missed on the day of an unexcused absence. If a student misses a quiz or test due to an excused absence, the student will be expected to take the test or quiz in class, the 1<sup>st</sup> day the student returns to class unless prior arrangements have been made. Any homework or class work collected on the day of an absence will be expected to be turned in the 1<sup>st</sup> day the student returns to class. Students should obtain any missed notes from someone else in the class. Students should obtain assignments given the day of an absence from the teacher, the 1<sup>st</sup> day returning to class, and will be given the same amount of time to complete the assignment as the rest of the class. It is the student's responsibility to come see the teacher following an absence, or if assistance is needed. Extra help and make-up time can be arranged on an individual basis by scheduling an appointment with the teacher.

#### Class Procedures:

When entering the science lab, students should go to their assigned seats and prepare to start working. Students not in their assigned seats when attendance is taken will be marked tardy.

This is a RED classroom. This means that NO ELECTRONIC DEVICES are allowed at any time. Two issues in this class all year long will be safety and learning. Cell phones and iPods or other electronic devices are not to be brought to class as they are a disruption to learning and in some situations can be a safety issue during labs. Any electronic devices seen by the teacher will be confiscated and returned to the student at the end of the day. A second confiscation will result in return only after a parent-teacher conference. Please abide by the electronic device policy in this class.

Laboratory work is an integral part of this science class. Students will be expected to follow the safety rules set forth in class or will be removed from the lab with loss of grade for the lab activity. Repeated cases of inappropriate behavior in the lab may result in removal from class with loss of credit.

No consumption of food will be allowed in the science lab.

Students should wait to leave at the end of the hour until the teacher excuses them. All lab materials must be put away and the room cleaned up before students will be excused.

### **Teacher Preparation Time and contact information:**

6th hour: 1:37-2:36 PM

You may contact me during my prep times at 655-4200 ext. 4326

Email: douglas.mcknight@clawsonschools.org

I promise to abide by all the rules and procedures set forth in this syllabus.