

Marla Ripps

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Physics

Description:

Physics is a math based science that is required in many college degree plans. The book we will be using is an algebra based Physics as opposed to a calculus based physics. We will cover the basic topics of Physics which include but are not limited to: Forces, Vectors, Momentum, Work, Dynamics, Newton's Laws, and other topics as time permits.

Homework: There will be weekly homework that will take approximately 3 - 7 hours per week to finish plus periodic tests. Students must also have access to a computer and the internet and have basic knowledge of computers as almost all homework, lab reports, and tests are submitted online. **New this year: In order to cover the amount of material we need to cover, there may be some video lessons with homework assigned to be completed at home before coming to class.**

Labs: Students will perform 4 - 6 lab experiments or Project Based Learning (PBL) assignments which will further help the student to understand the concepts presented. A formal Lab report or PBL report will be due the next week after completion.

Prerequisites: Students can be taking Algebra 2 or higher while taking this class, but it would be better to have taken Algebra 2 and be enrolled in either Saxon Advanced Math or an equivalent Pre-Calculus Math course.

Text- Apologia- Exploring Creation with Physics- Edition 2

Tuition- \$315/semester; if year paid in full upfront- \$560. Additional Discounts for multiple classes/siblings if pay for the full year by the first day of class

Supply fee- \$80