

# Physics

10<sup>th</sup>-12<sup>th</sup> Grade

Prerequisites- Algebra, Chemistry

1 Science Credit for full course

## Course Description

This laboratory-based course gives the student an introduction to the basics of physics, such as Newton's Laws of Motion, Newton's Law of Universal Gravitation, work, energy, and power, waves, sound, and light, electrical potential, electric fields, circuits, resistance, and current, magnetism, and magnetic fields.

This is a challenging high school course. Students should be prepared to spend 45-60 minutes per day completing course work. Parents are an integral part of a student's success in this class. An email will be sent after each class to communicate homework expectations for the week.

## Course Materials

Please obtain the following:

*Exploring Creation with Physics* 2<sup>nd</sup> Edition by Dr. Jay L. Wile

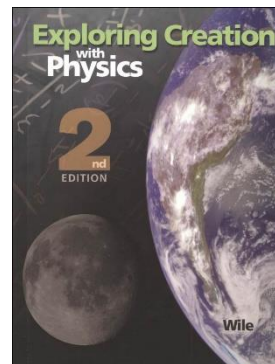
- ISBN: 978-1-932012-42-2
- Cost: \$66 new on Rainbow Resource (widely available used)

*Solutions and Tests for Exploring Creation with Physics 2<sup>nd</sup> Edition*

- ISBN: 978-1-932012-43-9
- Cost: \$20

Three-ring binder

5 binder dividers



## Tuition

\$400/year

- \$20 non-refundable lab fee due at registration
- \$190 due on the first day of the first semester
- \$190 due on the first day of the second semester
- Cost includes student's lab supplies, handouts, and classroom rent
- If a student needs to drop this class in the first two weeks of the semester tuition will be refunded. After two weeks the tuition is non-refundable.

## Tutor

Erin Crane graduated from Michigan Technological University with a B.S. in Environmental Engineering. After a short stint as an engineer, a passion for teaching young people prompted me to earn a teaching certificate in Science and Mathematics. I worked as a substitute teacher, and taught at Battle Creek Central until our first child was born. Along with homeschooling our three children, I have also tutored many other students. I am dedicated to teaching the wonders of the Creator that are evident in those tough, but rewarding, disciplines of science and math.

## Contact Information

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