# Lab Tech

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**Prerequisites:**

- Must have completed Prealgebra
- Can be taken concurrently with any high school science
- If you have any questions, please feel free to contact me or a member of the Academic Affairs Committee.
- Please note: This class does not take the place of HS Chemistry.
- If you are planning to use this course as a high school science credit, please contact your umbrella for its acceptance.

**Course Description:**

This hands-on course meets once a week and is ideal for upperclassmen or responsible underclassmen with strong work ethics. It is a lab-driven course that is for the student who wants to develop and/or strengthen laboratory and critical thinking skills. It is a helpful supplement to ACT preparation.

After measuring and identifying substances by density, solubility and flammability, students learn how to form and separate mixtures and compounds. They also explore radioactivity, scientific models, and gain skills in graphing.

We will be doing a scientific research project for part of second semester. These will be displayed at WHCT Showcase Night in April. There will be several weeks of class devoted to these projects. They will focus on data collection, interpretation, graphing, and display.

**Commitment:**

- This course is offered once a week.
- Homework includes up to 8 pages of reading, answering 5-10 questions about the reading, and writing the experiment.
- Chapter tests are taken at home.
- Lab Exams taken during class.
- Students can expect to spend approximately 2-3 hours per week on homework.

**A typical class will look like...**

Each class period includes a pre-lab discussion, experiment, and post-lab discussion. Second semester this will change during their research, experimentation and reporting for their projects

## Books and Supplies*

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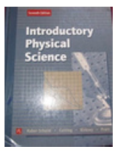
|---|---|
| Introductory Physical Science, 7th Edition<br>ISBN - 188205718X<br>  | 3-ring binder |

*Lab materials covered by course lab fee.