

Course: **ADVANCED PHYSICAL SCIENCE (IPS)** 2024.25

Teacher: Karla Bean

Day: Most Tuesdays Sept thru May (Starting date TBA)

Location: Toledo Baptist Church, Toledo, WA

Credit: 1.0 Credit

Time: TBA (early afternoon)



Description: IPS Physical Science is arguably the premier inquiry-based science course of the past 5 decades. Since its beginnings in 1967, over 15 million middle school and high school students have used Prentice Hall's *Introductory Physical Science* (IPS), and performed its investigations, including the infamous Sludge test.

IPS is primarily a lab course. In addition to lab training, this course teaches the Scientific Method--- both its strengths and weaknesses. This is an invaluable skill in our current society where many scientific claims are asserted, but not always backed with scientific evidence.

Review: "The authors of *Introductory Physical Science* show the student how science is done, and they teach the student to think like a scientist. Their strategy... is to take the student through a series of experiments and analyses that amount to an abridged account of the development of chemistry and physics from the mid-1700s to 1900 or so. Students learn science by doing science – experimenting, compiling data, discussing results, and drawing conclusions based on their experimental data."
(Lawrence S. Lerner, Physics Professor)

Instructor: Karla Bean is a certified science teacher with over 35 years teaching experience. She completed the special training course required by the IPS program and has taught IPS 10+ years since then. IPS is one of her favorite courses to teach. Though demanding, it is powerful and fun.

General Requirements:

- Pre-requisites: Completion or concurrent enrollment in the Pre-Algebra course of your choice.
- Assignments: Plan for an average of 2-3 hours per week of homework
- Parental involvement: weekly classroom set-up plus at-home student homework

Contact Information:

Karla Bean.

Phone: (360) 578-2604 cell: (360) 430-0978

kbean@academynorthwest.net