

WSHS Program of Emphasis Course Offerings:

***This is for INCOMING 9th Graders!

ETP 2502 ALTERNATIVE ENERGY SOURCES – DUAL ENROLLMENT with SSC

Student will receive 3 college credits and high school credit. This course is taken at WSHS and counts like an AP class for GPA, but is NOT AP and has NO exam at the end!

Prerequisite: None. Grades 9-11 **must be concurrently enrolled in another science class.**

1 Elective Science Credit Grades 9-12

This is an introductory course for students interested in renewable energy and climate change. The curriculum includes topics such as home efficiency, wind energy, solar (thermal and photovoltaic) energy, hydroelectric energy, bio-energy, tidal and wave power, geothermal energy, and fuel cells. Also studied are the environmental and economic impacts of renewable energy. 9th graders are encouraged to take this course as a beginning to a 4-year program of emphasis on renewable and solar energy.

How to sign up:

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Students who sign up for this course will be put into Experimental Science 1 (2002340) HONORS (that will be the name of the course for the 1st semester only) for 1st Semester and will transition into ETP 2502 for 2nd Semester (due to the college course being only 1 semester, or .5 credit), and students will work on the dual enrollment college curriculum 1st semester as well to get a head start on 2nd semester. This allows us more time for labs and activities. 1st semester is Honors Credit, 2nd semester is Dual Enrollment (AP credit). So, students will be receiving high school credit 1st semester and college credit (3 hours) for 2nd semester.

Reasons to take Alternative/Solar Energy Dual Enrollment Courses at WSHS:

1. No homework.
2. Lots of labs and activities.
3. Free college credit without having to pass an exam at the end.
4. Courses are taken on the WSHS campus with Mr. Johnson.
5. Honors and AP GPA weighting.
6. Open-book tests/quizzes.
7. Open to **ALL** grade levels.

4 Year, 5 Course Sequence:

9th Grade: ETP 2502 Alternative Energy Sources

10th Grade: ETP 2410 Photovoltaic Systems (Solar Electric)

11th Grade: ETP 2420 Solar Thermal Systems (Solar Heating)

12th Grade: Fall: ETP 2050 Energy Analysis; Spring: ETP 2910C Projects in Sustainability

**The 12th grade courses are for 4th year students who have completed the first 3 courses in the Program of Emphasis.