



High School Science Course Proposal Board Meeting - Monday.....

- Course Title:
 - **Environmental Science**
- Course description:
 - **Environmental Science will be two, one semester courses dedicated to understanding the interactions between Earth's natural systems and the demands placed on them by the human population. Course I will focus on aquatic ecosystems whereas course II will focus on terrestrial ecosystems.**
- Rationale for the course:
 - **Students need a 3rd credit option that is not advanced/college bound. Incoming 9th graders earn a science credit from Chemistry I and Physics I. 10th graders earn a credit from Biology. 11th-12th graders can earn credit from Chemistry II, Physics II, Anatomy & Physiology, AP Biology, or AP Chemistry. Environmental Science will provide another standards (NGSS) based elective course.**
- Overview of the course:
 - **Semester 1:**
 - *Earth Systems(Biosphere, Hydrosphere, and Cryosphere)*
 - *Hydrosphere (Surface Water, Groundwater, and the water cycle)*
 - *Marine Biomes, Wetlands, and Water Pollution*
 - *Atmosphere, Weather, Wind, and Biogeochemical Cycles*
 - *Sustainability*
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 - **Semester 2:**
 - *Ecology, Food Webs, Symbiosis, and Earth Spheres*
 - *Endangered Species, Species and Population Growth*
 - *World Biomes, Ecological Succession, and Biodiversity*
 - *Plate tectonics, Landforms, and Plate Boundaries*
 - *Mineral, Mining, Soil Formation, and Conservation*
 - *Fossil Fuels, Renewable and Nonrenewable Energy*

- Budget:
 - \$475.00 2 Teacher licenses for resources including but not limited to Curriculum map and pacing guide, Cornell notes, powerpoint presentations, doodle notes, lab activities, assessments, differentiated lessons, integrated literacy based lessons, activities, and assessments etc.
- Room location(s):
 - **Rooms 207 and 310**
- Required materials:
 - **Teacher Licenses ([Suburban Science](#)) This is a digital bundle that will serve as a guide/reference for instruction.**
- Supplemental materials, texts, and/or special materials:
 - **None**
- Equipment (if any):
 - ***Consumables for labs, waders***
- Class schedule:
 - **The majority of students will take this course their 11th or 12th grade year.**
- Standards:
 - (NGSS) [NGSS Environmental Science Standards](#)
- Evaluations and assessments:
 - **Project based, paper pencil, and online assessments**
- Student outcomes:
 - **Proficiency of Environmental Science Standards along with integrating Math and ELA standards.**
 - **3rd Credit for Science (not necessarily college bound)**