

Intermediate Earth Science Course Syllabus (Summer 2022)

Course Aims: The Intermediate Earth Science Course is an intensive, 6-week long course that prepares students for the NSB High School Regional and Middle School National Competitions, as well as the USESO National Open Exam. Students should note that the course will be rigorous and fast-paced, but they will see significant improvement in their earth science knowledge and Science Bowl skills if they put in the work.

Prerequisites: None

What's Included:

- Weekly lectures on Zoom
- List of recommended reading material and supplemental resources
- 1-on-1 advising about study planning (by appointment)
- Access to exclusive discord server
- Seminars about study tips, buzzing strategies, teamwork skills
- Weekly Office Hours
- Flash card sets on important topics
- Packet readings to test retention of course material

Lesson Plan:

Week 1: Jun 8th 5-7 PM PST	Mineralogy and Chemistry Igneous, Sedimentary, and Metamorphic rocks
Week 2: Jun 15th 5-7 PM PST	Weathering, Soil, Mass-wasting, Freshwater systems Glaciers and Deserts
Week 3: Jun 22th 5-7 PM PST	Plate Tectonics and Seismology Volcanology
Week 4: Jun 29th 5-7 PM PST	Crustal Deformation + Geologic Time Guide Oceans I: Ocean Floor and Water
Week 5: Jul 5th 5-7 PM PST	Oceans II: Tides, Circulation, Coasts Meteorology I: Atmosphere, Clouds, Precipitation
Week 6: Jul 12th 5-7 PM PST	Meteorology II: Wind, Fronts, Storms Meteorology II: Biomes and Climate Change

Note: If you are unable to attend a lesson, we can send you a recording of the lecture