

# 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:

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