

## Earth/Space Science – Course Overview

<p><b>1<sup>st</sup> QUARTER: Introduction to Earth Science &amp; Geology</b></p> <p><b>I. INTRODUCTION TO EARTH SCIENCE (3 weeks)</b> A. Nature of Science (chpt 1) B. Mapping Our World (chpt 2)</p> <p><b>II. COMPOSITION OF THE EARTH (4 weeks)</b> A. Minerals (chpt 4) B. Igneous Rocks (chpt 5) C. Sedimentary and Metamorphic Rocks (chpt 6) D.</p> <p><b>III. WEATHERING, EROSION AND SOIL FORMATION (2 weeks)</b>  A. Weathering (chpt 7-1) B. Erosion and Deposition (chpt 7-2) C. Soil (chpt 7-3)</p> <p><b>BENCHMARK I: Introduction to Earth Science &amp; Geology</b></p>	<p><b>2<sup>nd</sup> QUARTER: Surface Processes, Atmosphere, and Oceans</b></p> <p><b>IV. SURFACE PROCESSES (3 weeks)</b> A. Mass Movement, Wind, and Glaciers (chpt 8) B. Surface Water (chpt 9) C. Groundwater (chpt 10)</p> <p><b>V. Atmosphere and Meteorology (3 weeks)</b> A. Atmosphere (chpt 11) B. Meteorology (chpt 12) C. Climate (chpt 14)</p> <p><b>VI. Oceans (3 weeks)</b> A. Earth's Oceans (chpt 15) B. The Marine Environment (chpt 16)</p> <p><b>BENCHMARK II: Surface Processes, Atmosphere, and Oceans</b></p>
<p><b>3<sup>rd</sup> QUARTER: The Dynamic Earth and Geologic Time</b></p> <p><b>VII. THE DYNAMIC EARTH (6 weeks)</b> A. Plate Tectonics (chpt 17) B. Volcanism (chpt 18) C. Earthquakes (chpt 19) D. Mountain Building (chpt 20)</p> <p><b>VIII. GEOLOGIC TIME (3 weeks)</b> A. Fossils and the Rock Record (chpt 21) B. Early Earth (chpt 22) C. Geologic Time Scale (chpt 23)</p> <p><b>BENCHMARK III: The Dynamic Earth and Geologic Time</b></p>	<p><b>4<sup>th</sup> QUARTER: Astronomy and Earth's Resources</b></p> <p><b>IX. BEYOND EARTH (7 weeks)</b> A. Sun-Earth-Moon System (chpt 27) B. Our Solar System (chpt 28) C. Stars (chpt 29) D. Galaxies and the Universe (chpt 30)</p> <p><b>X. RESOURCES AND THE ENVIRONMENT (2 WEEKS)</b>  A. Energy Resources (chpt 24-25) B. Human Impact (chpt 26)</p> <p><b>BENCHMARK IV: Astronomy and Earth's Resources</b></p>