

Earth Science Capstone Review

Review your notes. Confirm you have a reasonable-level of understanding for each topic listed here. If the final exam is open notes, confirm you have evidence of your participation with each topic listed. For any topics where you either have an inadequate grasp of the concepts – or for which you do not have personal copies of notes and topic artifacts – revisit those topics and make improvements.

<input type="checkbox"/> Earth 10 Student Expectations	<input type="checkbox"/> Earth 31 Wind & Waves!
<input type="checkbox"/> Earth 11 What is Earth Science?	<input type="checkbox"/> Earth 32 The Atmosphere
<input type="checkbox"/> Earth 12 Scientific Method and Safety	<input type="checkbox"/> Earth 33 Erosion, Weather & Climate
<input type="checkbox"/> Earth 13 Connections Across Content	<input type="checkbox"/> Earth 34 The Life of a River
<input type="checkbox"/> Earth 14 Map Interpretation	<input type="checkbox"/> Earth 35 Lakes – Natural and Man Made
<input type="checkbox"/> Earth 15 Types of Models	<input type="checkbox"/> Earth 36 Big Waters and the Oceans
<input type="checkbox"/> Earth 16 Earth Chemistry	<input type="checkbox"/> Earth 37 Ocean Basins
<input type="checkbox"/> Earth 17 Minerals of the Earth's Crust	<input type="checkbox"/> Earth 38 Land and Life
<input type="checkbox"/> Earth 18 Rocks and Rock Types	<input type="checkbox"/> Earth 39 The Impact of Humans
<input type="checkbox"/> Earth 19 Resources and Energy	<input type="checkbox"/> Earth 41 Climate Change
<input type="checkbox"/> Earth 21 The Rock Record	<input type="checkbox"/> Earth 42 Our Solar System
<input type="checkbox"/> Earth 22 Earth's Past	<input type="checkbox"/> Earth 43 Deep Space
<input type="checkbox"/> Earth 23 Plate Tectonics and Today's Earth	<input type="checkbox"/> Earth 44 Outdoors and Nature
<input type="checkbox"/> Earth 24 Deformation of the Crust	<input type="checkbox"/> Earth 45 Inside Jobs and Knowledge Workers
<input type="checkbox"/> Earth 25 Earthquakes Volcanoes & Tsunamis	<input type="checkbox"/> Earth 46 Research and Investigation
<input type="checkbox"/> Earth 26 Weathering Erosion & Rivers	<input type="checkbox"/> Earth 47 Student Led Topics
<input type="checkbox"/> Earth 27 Agricultural Resources	
<input type="checkbox"/> Earth 28 Hydrocarbons and Energy	

Below, find a list of Techniques and Activities which may have been covered during this curriculum (many of these may not have been explicitly covered as a stand-alone topic). For those listed that were covered in class as a topic, confirm you have a sufficient grasp of the major concepts and that you have a solid set of accompanying notes.

Use of Diagrams/Models to Convey Science Information

- Activity 20 Venn Diagrams & Relationship
- Activity 21 Hierarchy and Pyramid
- Activity 22 Process and Cycle
- Activity 23 Matrix and List

Techniques for the General Classroom and Science

- Technique 10 How to Read Complex Text
- Technique 11 How to Summarize Information
- Technique 12 The Scientific Method
- Technique 13 21st Century (4Cs)
- Technique 14 Critical Thinking
- Technique 15 Creative Concepts
- Technique 16 Collaboration
- Technique 17 Communication
- Technique 18 Debate in the Classroom
- Technique 19 Personal Reflection
- Technique 20 Lab Measure and Convert
- Technique 21 Devise Experiments
- Technique 22 Data Gathering
- Technique 23 Graphing and Charting Data
- Technique 24 Interpret Results
- Technique 25 Use and Care of Equipment
- Technique 26 Lab Safety
- Technique 27 Lab Procedures