

# Physical Science EOY Capstone

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**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.

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| <input type="checkbox"/> Physical 11 Overview                | <input type="checkbox"/> Physical 31 Sound and Light I    |
| <input type="checkbox"/> Physical 12 Introduction to Matter  | <input type="checkbox"/> Physical 32 Sound and Light II   |
| <input type="checkbox"/> Physical 13 States of Matter        | <input type="checkbox"/> Physical 33 Sound and Light III  |
| <input type="checkbox"/> Physical 14 Atoms                   | <input type="checkbox"/> Physical 34 Electricity          |
| <input type="checkbox"/> Physical 15 The Periodic Table      | <input type="checkbox"/> Physical 35 Magnetism            |
| <input type="checkbox"/> Physical 16 The Structure of Matter | <input type="checkbox"/> Physical 36 Student Topic        |
| <input type="checkbox"/> Physical 17 Chemical Reactions      | <input type="checkbox"/> Physical 37 Student Topic        |
| <input type="checkbox"/> Physical 18 Solutions               | <input type="checkbox"/> Physical 38 Natural Resources I  |
| <input type="checkbox"/> Physical 19 Acids, Bases, Salts     | <input type="checkbox"/> Physical 39 Natural Resources II |
| <input type="checkbox"/> Physical 21 Nuclear Changes         | <input type="checkbox"/> Physical 41 Climate              |
| <input type="checkbox"/> Physical 22 Motion                  | <input type="checkbox"/> Physical 42 Planet Earth I       |
| <input type="checkbox"/> Physical 23 Forces                  | <input type="checkbox"/> Physical 43 Planet Earth II      |
| <input type="checkbox"/> Physical 24 Work and Energy I       | <input type="checkbox"/> Physical 44 The Solar System I   |
| <input type="checkbox"/> Physical 25 Work and Energy II      | <input type="checkbox"/> Physical 45 The Solar System II  |
| <input type="checkbox"/> Physical 26 Heat and Temperature    | <input type="checkbox"/> Physical 46 The Universe I       |
| <input type="checkbox"/> Physical 27 Waves                   | <input type="checkbox"/> Physical 47 The Universe II      |
| <input type="checkbox"/> Physical 28 Student Topic           | <input type="checkbox"/> Physical 48 End of Year Summary  |

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.

### Activity Supplements and Assignments

- Activity 10 Science Math
- Activity 11 General Science Labs
- Activity 12 Tech. & Engineering
- Activity 13 Copy & Summarize
- Activity 14 Read & Summarize
- Activity 15 Write a Science Letter
- Activity 16 Write a Science Report

### 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

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**(continued)**

- Activity 20 Venn Diagrams
- Activity 21 Cross-Cutting Concepts
- Activity 22 Hierarchy and Pyramid
- Activity 23 Process and Cycle
- Activity 24 Matrix and List

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- Technique 26 Lab Safety
- Technique 27 Lab Procedures
- Technique 27 Lab Procedures
- Technique 30 Recognizing Phenomena
- Technique 31 Evaluating Phenomena
- Technique 32 Making Connections
- Technique 70 Overview
- Technique 71 Two/Three-Circle Venn
- Technique 72 Scale/Timeline
- Technique 73 Thought Web
- Technique 74 Cluster
- Technique 75 Fact vs. Opinion
- Technique 76 Pros-Cons
- Technique 77 Five W's
- Technique 78 Flowchart/Cycle
- Technique 79 KWL/KWHL