

Science Junior High

- ❑ Watch a popular commercial and complete a CER for it.
State the claim, give the evidence, and reasoning behind the claim. (1 day)
- ❑ Write a CER on the advantages of microwave ovens over conventional ovens. (1 day)
- ❑ Listen to any song you want that tells a story and write a CER for the song. The title and artist of the song will be the title of the CER (1 day)
- ❑ Design a graph with data on how your day was spent in 2-hour increments over the course of 3 days. Must have at least 4 categories (sleep, eat, outside, tv, phone, etc) Keep it organized
 - ❑ Based on your graph write a CER based on this claim: “Teenage children spend over 50% of their day being not active (sitting, watching tv, on phones, etc)”(4 days)
- ❑ Make a model of Earth. Include all the layers in different colors, can be 3-d, picture/drawing use your imagination (2 days)
- ❑ Create a brochure, it should include the following 5 sections: (3 days) site sources
 - History of Fireworks*
 - How Fireworks are Made*
 - Fireworks and Their Colors*
 - Parts of a Firework*
 - How They Work*

Use color to make it look appealing and do not plagiarize information
- ❑ Create a brochure, it should include the following sections: (3 days) site sources
 - What is Electromagnetic Spectrum?*
 - Radio Waves - what are they, where are they found, how they are used*
 - Infrared Rays - what are they, where are they found, how are they used*
 - Visible Light - what is it, where is it found, how is it used*
 - Ultraviolet Rays - what are they, where are they found, how are they used*
 - X-rays - what are they, where are they found, how are they used*
 - Gamma Rays - what are they, where are they found, how are they used*

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- ❑ Create a timeline for wireless communication: include pictures and years. (3 days)
- ❑ Design and build an Optical Instrument (4 days)
 - ❑ Be sure to document your plans and bring in your finished product
- ❑ Design a One-page document that details the similarities and differences between transparent, translucent, and opaque objects (1.5 days)
- ❑ Create a life cycle diagram of a plant cell. Use illustrations to help you create this. (1 day)
- ❑ Draw a fern and label the parts. Include the terms frond, pinnae, sorus, and rhizome. (1 day)
- ❑ Design a brochure that includes the following: (3 days) site sources
 - Telescopes - kinds, how they work, parts, and uses for them*
 - Microscopes - kinds, how they work, parts, and uses for them*
 - Cameras - kinds, how they work, parts, and uses for them*
 - Lasers - kinds, how they work, parts, and uses for them*
- ❑ Create a one-page document that describes vascular plants (1.5 days) site sources
 - ❑ *Include examples of plants, where they are found (locations), and any uses for them*
- ❑ Create a life cycle diagram of a plant cell. Use illustrations to help you create this. (1 day)

- ❑ Create a Venn diagram that compares and contrasts Weathering and Erosion (1 day)
- ❑ Create a news report that exposes a problem with Erosion or Weathering. (1.5 days)
- ❑ Make a mobile that shows various landforms that are created by deposition. (2.5 days)
- ❑ Create an advertisement for a new subdivision of homes being built on a fault line. (1.5 days)
- ❑ Design and build a bridge model that could withstand a major seismic event. (5 days)
- ❑ Design an advertisement: choose an energy source currently used to produce electricity and create an advertisement for that energy source. Be sure to include how energy is produced by this source. (2 days)
- ❑ Research how nuclear plants create energy and what information communities consider before allowing a plant to be constructed. Pretend your community is considering having its own energy provided by a nuclear power plant. Write a letter to your local newspaper sharing the information gathered through your research and your opinions on the plant. (5 days)site sources
- ❑ Design a book cover for a book on flowering plants. (1 day)
- ❑ <https://www.buzzle.com/articles/science/> go to Buzzle and pick an article. Write one paragraph summarizing the article and one paragraph as to why you choose that article. Explain what the content of the article means to you, and do you agree/disagree with what is written (is it controversial or something you feel strongly for or against). After the entire one page is complete a small picture may be inserted. Use proper punctuation, correct spelling and proper paragraph format. Don't forget to cite your source! (1 day)
- ❑ <https://www.sciencedaily.com/> Log on to <https://sciencedaily.com> Hover (drag your mouse) over the links for Health-Tech-Enviro-Society-Quirky and choose an article from the drop-down menu. Use Google Docs to create a new document and SHARE with me when complete. Write ONE paragraph summarizing the article AND ONE paragraph as to WHY you chose that article. Explain WHAT the content of the article means to you, and do you agree/disagree with what is written (is it controversial or something you feel strongly for or against). After the entire one-page is complete, a SMALL picture may be inserted. Write the one-pager using correct spelling and proper punctuation using paragraph format. Do not forget to cite your sources! (1 day)
- ❑ If able to log-in to Legends of Learning and complete the playlists available. You will need to complete different ones, not the same playlist each day. (1 playlist per day)