

LIGHT SCIENCE PROJECT

Great job on your Sound Science Fair! This will be our 2nd and final Science Fair for the year. I will be saving these posters to share at our Open House. You will have 6 weeks to complete your Light Science Fair Project. Each week we will add a new piece to the puzzle for homework. Students will give a presentation of their project at the end of our Light Unit on **May 9th**. It's okay if they double up with another student or class experiment – repetition develops mastery! It may be helpful to read through every week before you start and pace according to what suits your family best. The poster can be completed as you go. Have fun!

1: Question

- Get curious about sound! What questions do you have? What do you wonder? (Who? What? Where? When? Why? How? are all good starters.) Choose one question to focus on for your project. Write it down.

2: Research & Hypothesis

- Research: read about your topic, ask adults and older siblings, watch videos, maybe take a trip to the library. Learn as much as you can about your topic. Then, take a guess (Hypothesis) on the answer to your question. Write this down.

3: Experiment & Record Data

- Choose an experiment to test your hypothesis. Gather the supplies and perform the experiment. Be precise with your time and measurements. Be sure to record this information to use later as you create your presentation. Keep a list of your materials as well. Pictures are great! If your experiment allows, save pieces of it to bring to class!

4: Analyze Data & Conclude

- Record your data in a way you can share with the class (think graphs, charts, etc.) Feel free to edit your experiment and try it again noting how it changed the results. Talk about the data you collected.

5: Poster

- Collect all your work from weeks past and create a poster to display at our Science Fair. Things to include: your name, question, hypothesis, experiment, materials, data, and conclusion. Make sure it is interesting to look at and neatly done.

6: Practice Presentation

- Prepare your presentation for next week. Make sure your poster is complete and beautiful then grab your stuffed animals, parents, siblings and try out your presentation. Ask them for 1–2 suggestions on how to make it better. Rinse & repeat.