

Physical Science ELO Final Project Presentations

The final presentation your ELO project is scheduled for the evening of **June 1, 2016** in the library. Please **arrive at 6:00 p.m.** to set up your display board and have a chance to see your classmates' projects.

Our invited guests, including your parents and 8th grade students and parents, will join us at 6:30 p.m. They will have 90 minutes to visit the displays and ask the students questions. During this time, you will stand by your display to answer any questions our guests may have.

By the end of next week, you need to give a copy of the invitation to your parents and one to your community partner. If you prefer to email them the invitation, you can download the PDF from Edmodo.

You need to bring the following to presentation night:

- Your display board
- Any three dimensional models or other components of your project that you used or created
- A thank you note to give to your community partner(s). *If they do not attend the presentation night, you will need to write their mailing address on the envelope and we will mail it from school.* Here's a suggested format for your thank you note if you are not sure what to write:

Dear _____,

Thank you for helping me with my _____ project. I learned a lot about _____ while working on it. I appreciate you spending your time with me.

Sincerely, _____

Display board instructions (see reverse for layout)

- If you worked with a partner, create one display board with both students' names on it.
- Label each section with its subheading (essential question, defining the problem, etc.)
- Include any pictures you have of your work in the section where it seems to fit.
- Put each section on the display board as shown in the diagram.

Display board content and layout

Sections:

Essential question: Write out your essential question.

The problem: Describe the problem you set out to solve. If you did a lab experiment, write out your hypothesis in an *if...then...because* format.

Resources: Provide information you gained during your background research (done online or from hardcopy sources) and cite your sources (use www.Bibme.com and cite them in APA format). Next provide the name of your community partner(s) and say what information or insights they gave you.

Planning and implementing a strategy: Describe the steps you took to carry out your plan. If you did a lab experiment, this is where you state your procedure.

Monitoring progress and revising strategy: Describe how you kept track of how well your solution to the problem was working. Explain any changes you made to your strategy to improve the success of your solution. If you did a lab experiment, this is where you include your data.

Evaluation of the solution: Is your solution to the problem successful? How do you know? Explain the criteria you used to judge the success of your solution, as well as what you might do to improve it even more. If you did a lab experiment, discuss whether or not the data make sense, compare your results with your hypothesis/expected results. If your data support your hypothesis, state the answer to your essential question. If your data do not support your hypothesis, propose a reason why.

Reflection: Discuss what you learned by doing this ELO project.

Defining the problem:	Essential question:	Monitoring progress and revising strategy:
Resources: Background research Community partner(s)	Student(s) name(s)	Evaluation of the solution:
	Planning and implementing a strategy:	Reflection: