

Celebrate
Science!

Experiment
Packet

Elements of a Project

These elements must be included on your board for an experiment.

- Title of Experiment
- Question or Problem - ex: Is water, soda, lemonade, or no liquid best for growing plants?
- Definitions - Student knows and posts the meaning of the words in the problem and experiment.
- Hypothesis - Student makes a prediction about the results of the experiment.
- Background Information - Student provides written research about their topic in 2-3 paragraphs.
- Procedures - Student lists the steps needed to carry out their experiment.
- Materials - Student lists the materials needed in the experiment.
- Results - Student describes what happened in the experiment using graphs, charts, photos, pictures, tables, etc.
- Conclusion - Student answers the question posed in the problem. They explain how the hypothesis is connected to the results.
- References and Acknowledgements - Students must credit all sources for research and persons who provided help. All photographs on the display board must have a caption saying "Picture taken by..."

Project display should be on a sturdy 36" x 48" tri-fold board (see example). These are available at local craft and office supply stores. Preferably all written material is typed or written very neatly. All materials, drawings, and pictures should be securely attached to the board.

Timeline for Celebrate Science Project

We will have 2 checkpoints where students will bring to class certain pieces of the project. These can be brought in rough draft form (spiral, paper, pictures - printed or sent via email or the Google drive).

Friday, January 10th

Checkpoint 1: The items below are due to your teacher.

Experiment Project: Hypothesis, definitions, and background information.

Report: Rough draft.

Model: Picture or written description of model or demonstration showing you have begun making it.

Friday, January 17th

Checkpoint 2: The items below are due to your teacher.

Experiment: List of materials and procedure.

Report: Revised and edited draft, bibliography.

Model: Picture and written description of model or demonstration showing progress.

January 18-27th

Items to finish at home

Experiment:

Finish up experiment.

Work on results and conclusion.

List references and acknowledgements.

Assemble display board.

Practice presenting project.

Report:

Finish up revising and editing.

Add any media, pictures, charts, and visual effects.

Projects are due Tuesday, January 28th!!

Celebrate Science Experiment Rubric

Name: _____

Experiment

1. Title (5)
2. Problem stated as a question (5)
3. Background information on your topic (10)
4. Hypothesis (10)
5. Definitions (10)
6. List of materials (5)
7. Procedures (10)
8. Organized data (charts, graphs, pictures) (10)
9. Conclusion (hypothesis is referenced) (10)
10. Acknowledgements and references (10)
11. Neatness of display board (10)
12. Overall quality and idea (5)

Total: _____

Celebrate Science Presentation Rubric

- ☐ Introduced topic
- ☐ Project was summarized
- ☐ Expressed knowledge about the topic with facts
- ☐ Faced audience
- ☐ Used visual supports correctly
- ☐ Spoke in a clear speaking voice
- ☐ Answered questions from audience

Comments: