

Students must complete ONE of the following alternate projects by **the assigned due date.** This project is worth 10% of their final grade.

Option #1: Experimental Project – Due: March 5th, 2014

An experimental project must be performed and a presentation of the results must contain the following:

Purpose

Hypothesis

Materials

Variables (Independent and dependent)

Controls (minimum of 5)

Procedure (written in step format)

Observations (must include tables, graphs, diagrams and pictures)

Scientific discussion (EXPLAIN your results)

Conclusion

This project may be competitive OR non-competitive. All competitive projects **MUST** be presented on a 3-fold board. Non-competitive projects may be presented on either a 3-fold board, bristol board, as a web page or a Power Point presentation.

Option #2: Trivia Board Game – Due: March 26th, 2014

Students can construct a **trivia- based board game** similar to traditional games you see today from a chapter or unit of the textbook. The game must include:

Physical board

Game pieces

List of rules

Instructions on how to play

Students must demonstrate how to play their game. Board games will be marked on relevance, accuracy and creativity.

Option #3: Science in the Media – Due: April 16th, 2014

This project will be presented in a **portfolio format**. To complete this project you may use one of the following media types.

1. **3 (three)** Science Shows on TV

- You **MUST** include clips of each of three shows you select

2. **5 (five)** Science related newspaper or magazine articles.

- Articles **MUST** be included

For either media type selected, you must include the following information...

- A plot summary of the show/ article
- What area of science does the show/article relate to (ex. Biology, Physics, etc.)
- Why you choose this show/ article
- An explanation of the science in the article
- Any unanswered or unaddressed questions you have after viewing the show or reading the article.

Option #4: Science in the Community – Due: May 7th, 2014

This project will be presented as a **Slideshow** (e.g. PowerPoint, Prezi or Animoto presentation) AND a **Journal**. Students will go out into the community and document **5 (five) places** where science is taking place. (e.g. recycling plant, water treatment plant, bakery, veterinary clinic, pharmacy, etc.) Students may NOT repeat the same science twice.

As part of the journal, students **MUST** include information on the site visited, where it is located, and the type of science at the site. Students must also obtain the signature of the person they deal with at each site.

The pictures in the slide show must also contain the site and the type of science being done. It is important that no faces be shown in the slide show.