

The Scientific Method Report

Part 1: Wonders of Science Report

Purpose: To demonstrate scientific literacy and to understand how the scientific method is applied to real world research.

Procedure:

1. Visit one or several website located on the grade 10 website – Sept 11
2. Find an article that perks your interest
3. Read and summarize the article.
4. Present the summary to the class.
5. Summary Layout
 - a. Title of article, date of research
 - b. Name of researcher of research group
 - c. Question or concern they were addressing
 - d. Variables in the research (independent, dependent, controlled)
 - e. Procedure they used to obtain their data
 - f. How the data was presented – describe its effectiveness to the reader
 - g. What conclusion was made from the data
 - h. What other benefits will this research provide
6. The article will be displayed on the projector as you are presenting your summary

Part 2: Designing your own experiment

Purpose: To clearly demonstrate the components of the scientific method by creating your own experiment.

Procedure:

1. Read the instructions on the back of this sheet
2. Visit the two links on my webpage Sept 11 to help find a topic
3. This experiment is **not** to be performed, only designed and you are to make up the data.