

PAREF Southridge School
Afternoon School
Academic Year 2009-2010

General Science

Name:

Date:

Year Level:

Parent's Signature:

Academic Workload Worksheet

General Instructions: Put all answers in this worksheet. Use the space provided for your answers. Cite references for the data you have gathered from books, journals or internet. Submit the printed work on July 2, 2009 before 1 pm.

Topic: Goals of Science

Essay: Write your answers in paragraph form. Use the space provided for your answers.

- Define Science. What are the three most important goals of Science? How does it affect you and the society?

Topic: Branches of Science; Pseudoscience and Non-science

- Enumerate the different branches of science and the various field of study under those branches. Give a short definition.

Example: Life Science – Biology – Botany (the study of plants)

- Why is it that Science does not believe in superstition and fortune telling? Why is it that Astrology is said to be a pseudoscience? Give other examples of pseudoscience.

- What are those disciplines that are said to be non-science? Why are they not classified as a science?

Topic: The Scientific Method

Instructions:

- What is the scientific method? Show a diagram or flowchart of the steps followed in the scientific method. What are the advantages of using the scientific method?

- Define the following terms (principle, theory, law). How can an idea be elevated to a principle, theory or a law? Cite a particular scientific law that you know, and think of the possible steps/procedures it followed before it became a law.

Reference:

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