

### 3 WEEK PROJECT- BASED LEARNING

Term 2-Weekly Plan

Grade 8

Project Title: Earth and Human Activities

The four Alternative Energy: Nuclear Energy: Solar Energy: Hydro Energy: Wind Energy

WEEK 1	WEEK2	WEEK 3
<p><b>Day 1</b></p> <p><i>Important reminders in working on project-based learning</i></p> <p><i>Narrative Report from day 1 up to the last</i></p> <p><b>Introduction of the Project-</b></p> <ul style="list-style-type: none"> <li>• Project Preview</li> <li>• Setting of Goal</li> <li>• Making Rules</li> <li>• Discussion of Rubrics</li> <li>• Importance of using scientific thinking to create the project: identify a problem, find research and visual data to support, and then settle on a conclusion/possible solution</li> <li>• <b>Intended Audience:</b></li> <li>• <b>Scientific Procedures to the project</b></li> </ul> <p>Discussing the Big Question? -What is the quality of life? -How could human improve the quality of life? Students respond to the big question</p>	<p><b>Day 1</b></p> <p><b>Research Methodology:</b> <i>In continuation of the methodology, students will look at the following:</i></p> <ol style="list-style-type: none"> <li>(1) <b>Sample and Sampling Technique</b> <i>(this is the number of the population that will be sampled)</i></li> <li>(2) <b>Research Instrument</b> <i>(regards to type of questionnaires for the survey)</i></li> <li>(3) <b>Validity And Reliability of Instrument</b> <i>(those who validated the questionnaires)</i></li> <li>(4) <b>Method of Data Collection</b> <i>(giving out and collection of data)</i></li> </ol>	<p><b>Day 1</b></p> <p>-Discussing The Abstract</p> <p><b>Summary:</b></p> <ol style="list-style-type: none"> <li>1) The reason of carrying out the research on the topic</li> </ol> <p><b>Conclusion:</b></p> <ol style="list-style-type: none"> <li>1) Decision about the data collected and to which extent it support or defend the hypothesis</li> <li>2) Practice presentation</li> </ol> <p>Students in their different groups discuss in class to summarize and make a conclusion.</p>

<p>Discussion-share why this may be.</p> <ul style="list-style-type: none"> <li>• <b>Internet Search</b></li> <li>• <b>Presentation in class</b></li> </ul> <p>1. Understand the expectations of him/her during the research paper writing process.</p> <p>Students will be able to develop questions to guide their research.</p>	<p>Use of solar energy</p> <p>scaffolds</p> <p><a href="http://www.ucsusa.org/clean_energy/our-energy-choices/renewable-energy/public-benefits-of-renewable.html#.VrohCPi97IU">http://www.ucsusa.org/clean_energy/our-energy-choices/renewable-energy/public-benefits-of-renewable.html#.VrohCPi97IU</a></p>	
<p><b>Day 2: Hypothesis:</b></p> <p><b>-Students Formulate Hypothesis based on their topics:</b></p> <p><b>-State the problem, issue, prediction of outcome</b></p> <p>Topic: Group topic:</p> <p>1.Significance of study</p> <p>2.Scope and Delimitation of study</p> <ul style="list-style-type: none"> <li>• Presenting Essential questions</li> <li>• Students respond to the essential questions</li> </ul>	<p><b>Day 2</b></p> <p><b>Research Findings</b></p> <p>Topic:</p> <ol style="list-style-type: none"> <li>1) Review :what" information gathered through the research process</li> <li>2) Filter through the information and pick out the necessary areas or points useful to our topic</li> </ol> <p>Students work in their different groups to review research findings</p> <p>Questions</p> <p>Project Practice Presentation</p>	<p><b>Day 2:</b></p> <p><b>Recommendation</b></p> <p>Topic:</p> <ol style="list-style-type: none"> <li>1) Based on the findings and conclusions this study recommended the following:</li> <li>2) Suggestions for further studies</li> </ol> <p>ACTIVITY:</p> <p>Students make their recommendations and suggestions for further studies.</p> <p>Project Practice Presentation</p>

<ul style="list-style-type: none"> <li>Students select from the given choices of activities in presenting their response about the topic.</li> </ul> <p>(Newsletter, brochure, 1.Prezi Presentation PowerPoint, 4.Project Journal</p>	<p>Developing Survey Questions</p>	
<p><b>Day 3: Research Methodology:</b></p> <p><b>Topic: Based on group Topic.</b></p> <p><b>What are the strategies?</b></p> <ol style="list-style-type: none"> <li>1) Students will look into the best method to apply to achieve the research goals</li> <li>2) How data will be collected to support the hypothesis</li> <li>3) Research Design (descriptive survey method)</li> <li>4) Population/Respondents</li> </ol>	<p><b>Day 3 Analysis and Interpretation (method of data analysis)</b></p> <p><b>Introduction</b></p> <p>In this chapter the responses from the data shall be presented, analyzed, and interpreted with the Z-score statistical analysis using the following:</p> <ol style="list-style-type: none"> <li>1) Respondents Distribution table according to the hypothesis</li> </ol> <p><b>Students write an arguments/ persuasive essay about the topic "</b></p> <p><b>-Be ready for a debate</b></p> <p><b>Project Practice Presentation</b></p>	<p><b>Day 3 References</b></p> <ol style="list-style-type: none"> <li>1) Organization of references according to the APA style</li> <li>2) Examine the table of content in an orderly manner</li> <li>3) Looking at the Acknowledgement page</li> <li>4) Appendix (Questionnaire are posted on this page</li> </ol> <p><b>ACTIVITY:</b></p> <p>Students work to organize their reference page and those they want to acknowledge. They post their questionnaire on the appendix page. Putting finishing touches to their work.</p>

#### Day 4: Review of Related Literature.

Topic: Based on group topic, students will look at the following sources:

- 1) Journals
- 2) Books
- 3) Magazines
- 4) Review of previous studies about the topic

- compare and contrast different authors' views on an issue
- group authors who draw similar conclusions
- criticize aspects of methodology
- note areas in which authors are in disagreement
- highlight exemplary studies
- highlight gaps in research
- show how your study relates to previous studies
- show how your study relates to the literature in general
- conclude by summarizing what the literature says

<http://library.bcu.ac.uk/learning/writingguides/1.04.htm>

#### Day 5

1. Critical Reflection- Evaluate the performances and the outcomes for the whole week Project
2. Presentation

Assessment

#### Day 4

Topic:

*Discussion of findings*

This is based the topics and hypothesis

#### Day 5

1. Critical Reflection- Evaluate the performances and the outcomes for the whole week Project
2. Presentation

Assessment

#### Day 4

*Class Debate: students make a debate on their topics*

Topic: Reflection on the unit work.

Completion of chart

Practice more on presentation

#### Day 5

1. Critical Reflection- Evaluate the performances and the outcomes for the whole week Project
2. Presentation

**REMINDER:** This is to remind you to ensure to get your individual portfolio, group file, flash drive, disc, laptop, iPad, and highlighters.

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