Sustainable Earth

Essential Questions
- How can we, as Lake County residents, help to sustain Earth’s resources for our growing population?
- How has the formation of Earth led to allocation of resources?
- How have certain regions historically approached issues relating to sustainability?
- How has population growth in different regions impacted approaches to sustainability?

Task: There are nearly 8 billion human beings on the Earth. With this many people to sustain, the Earth’s resources struggle to meet the demand. That does not mean, however, that humans cannot find ways to change the pattern. In this project, you will learn about the theories scientists have as to how the Earth was formed and its resources distributed. Then, with a group, you will research a topic of sustainability, specifically analyzing the ways different societies have attempted to approach that topic. Then, you will create a visual proposal and write a cover letter to a local, state, national, or international agency with your ideas on how to address your topic. Ultimately, we hope to create meaningful relationships with these agencies to make a lasting change on the environment and our limited resources.

Topic and Group Selection: You and your group members will choose one of the following sustainability topics.

Renewable Energy
Water (Great Lakes)
Transportation
Waste & Recycling

Group Members
_________________________________
_________________________________
_________________________________
_________________________________

Project Components: Your project will include each of the following components. You will receive further instruction and guidance as we reach each component.

1. Research

Once you are in your groups, use the provided research guide to gain a deeper understanding of your issue. Your research will also focus on how specific regions of the world have addressed and are addressing the issue.

2. Visual Proposal

When you and your group members have completed your research, you will put together a visual proposal that you will send to a local organization that can help address your issue. Your visual proposal will incorporate your research as well as your group’s claims as to how the organization can help the issue.

3. Cover Letter

Ultimately, you will send your visual proposal to the local organization along with a cover letter. The cover letter will include an introduction to you and your group members, as well as an introduction to your visual proposal.
### Project Calendar

<table>
<thead>
<tr>
<th>Date</th>
<th>Work Due</th>
<th>In Class Work</th>
<th>Out of Class Work</th>
</tr>
</thead>
<tbody>
<tr>
<td>Friday, 11/1</td>
<td>Project Interest Google Form</td>
<td>Intro Project Group Contracts</td>
<td>None</td>
</tr>
<tr>
<td>Monday, 11/4</td>
<td>None</td>
<td>Formation of the Earth Video</td>
<td>Finish Video Notes</td>
</tr>
<tr>
<td>(sub)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuesday, 11/5</td>
<td>Formation of the Earth Video Notes</td>
<td>Topic QFT Geographic Luck Reading</td>
<td>Finish Geographic Luck Questions</td>
</tr>
<tr>
<td>Thursday, 11/7</td>
<td>Individual Research Goal</td>
<td>Team Meeting Part I Research</td>
<td>-Complete Individual Research Goal -Take Schoology Quiz by Monday 11/11</td>
</tr>
<tr>
<td>Friday, 11/8</td>
<td>Individual Research Goal</td>
<td>Team Meeting Finish Part I Research</td>
<td>-Complete Individual Research Goal</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Take Schoology Quiz by Monday 11/11</td>
</tr>
<tr>
<td>Monday, 11/11</td>
<td>Schoology Quiz</td>
<td>Veterans Day Speakers Meet in the Theater</td>
<td>Complete Research Guide Part 1</td>
</tr>
<tr>
<td>Tuesday, 11/12</td>
<td>Part I Research</td>
<td>Team Meeting Set Research Goals Part II Research</td>
<td>Complete Individual Research Goal</td>
</tr>
<tr>
<td>Wednesday, 11/13</td>
<td>Individual Research Goal</td>
<td>Team Meeting Part II Research</td>
<td>Complete Individual Research Goal</td>
</tr>
<tr>
<td>Friday, 11/15</td>
<td>None</td>
<td>Team Meeting Finish Proposal</td>
<td>Finish Proposal</td>
</tr>
</tbody>
</table>
| Monday, 11/18 | **Proposal Draft** | Team Meeting  
Charrette for Feedback  
Modify Proposal | Finish modifying proposal |
|--------------|-------------------|-------------------|-------------------------|
| Tuesday, 11/19 | **Final Proposal** | Team Meeting  
Begin visual creation | Work on visual |
| Wednesday, 11/20 | None | Team Meeting  
Work on visual | Finish visual |
| Thursday, 11/21 | **Visual** | Team Meeting  
Begin letter writing process | Work on letter |
| Friday, 11/22  
(sub) | None | Team Meeting  
Work on letter | Finish letter |
| Monday, 11/25 | **Letter** | Project Feedback  
Begin Unit 5 | None |