Humans and Earth Solutions Gallery Walk Activity  
SC.HS.15.5.E Evaluate a solution to a complex real-world problem based on prioritized criteria and tradeoffs that account for a range of constraints, including cost, safety, reliability, and aesthetics, as well as possible social, cultural, and environmental impacts.  
SC.HS.15.5.F Use a computational representation to illustrate the relationships among Earth systems and the degree to which those relationships are being modified due to human activity.

**Directions**: You and your group will choose one of the following, research your topic, create an informational poster answering the questions below to display during a gallery walk.

**Complex Real World Problems**

* Climate Change
* Nonrenewable resources
* Renewable resources
* Overpopulation
* Carbon Emissions
* Unsustainable Agriculture
* Ocean Acidification
* Glacial Melting
* Deforestation

**Questions to answer on your poster**

1. Make the title of your poster your group’s topic
2. Describe/define what your topic is
3. Create a pros and cons t chart. For each of the following place them on the appropriate side of the t chart and describe why you placed each there.
   1. Cost
   2. Safety
   3. Social impacts- does it impact people’s family, education, political, religious, and economies
   4. Cultural impacts-does it impact people’s values, attitudes, beliefs, norms, or morals
   5. Environmental impacts-is it harming plants, animals, natural habitats or the earth as a whole
4. Solutions: For each of the cons provide a realistic solution or multiple solutions, without creating more or new problems.
   1. Is/are your solutions reliable? (will they consistently work?; can you count on them?)
   2. Is/are your solutions aesthetically pleasing? (is it nice to look at (pretty)
5. Include a visual/picture of the problem.
6. Include another visual/picture of the solution(s).

Level 2 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Directions: Complete the following graphic organizer, using your classmates information posters. Then answer the questions below.

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| Comlex Real World Problem | Description | Pros | Cons | Solutions |
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Level 3

1. What are some similarities amongst the problems between the different posters?
2. What are some similarities amongst the solutions between the different posters?
3. Which poster’s topic do you think is the most important for global leaders to focus our resources to solve? Why did you chose that topic?

Level 4

1. What solution do you think could fix the most problems from ALL of the posters? Explain which of the problems it is fixing and how.