

Name:  
Date:

Mr. Howard  
Physics I

## Climate Solutions Project Day 1

### RESEARCH & OUTLINE:

STEP 1: Group of 2-4 people.

STEP 2: Pick a topic and get the go-ahead from Mr. Howard.

#### Topic ideas

- Refrigerant Management (HFCs)
- Heat Pumps
- Carbon Cap & Trade
- Wind Energy
- Solar Energy
- LED Lights
- Electric Vehicles
- Hybrid Vehicles
- Silvopasture
- Biodiesel
- Plant-rich diets
- Reduced Food Waste
- LEED Certification
- Passive House Institute
- Other: \_\_\_\_\_

STEP 3: Assign each group member a part of the presentation.

Presentation	Name
The Solution	
History	
Work to Be Done	
Impact	

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STEP 4: Use Office365 Share to Create a Group Presentation.

STEP 5: Research and record your findings to the major questions in each part of the presentation.

### The Solution

- a) What is this solution?
- b) What source of greenhouse gases does this address?
- c) What companies/groups are involved with this solution?

### History

- a) When did humans come up with this idea?
- b) What is the history of its implementation?
- c) What role does it play in modern society?

### Work to Be Done

- a) What technologies are involved with this solution?
- b) What are the main obstacles to this solution?
- c) How could this solution be achieved?

### Impact

- a) What would this solution cost individuals/countries?
- b) What greenhouse gas reductions could be achieved?
- c) How would the world be different if this solution was fully implemented?

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## Climate Solutions Project Day 2

### POWER POINT & PRACTICE:

STEP 1: In Office365 Share, create a cover slide with your topic and all names.

STEP 2: Make index cards for slides with all of your research.

STEP 3: Make all slides visually presentable. This means only having a few key words and images. The bulk of your research should be on index cards.

STEP 4: Go over everyone's slides to make sure they are in the right order and are visually presentable.

STEP 5: Do a practice of every group member presenting.

STEP 6: Give each other constructive feedback.

STEP 7: Edit the power point and collaborate to make sure the group is telling one big story that fits together. If parts are repeating, decide who will say them.

STEP 8: Do a time trial practice. The presentation must be between 4-8 minutes.

STEP 9: Do a final presentation practice to make sure it is smooth.

STEP 10: By the end of the period, send the PowerPoint file to Mr. Howard at [BSHoward@bcps.k12.md.us](mailto:BSHoward@bcps.k12.md.us)

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## Climate Change Solutions Rubric

Your Name:

Group Topic:

	0	1	2	3
Peer Evaluation	Your Team Evaluated You as Not Helpful	Your Team Evaluated You as Somewhat Helpful	Your Team Evaluated You as Helpful	Your Team Evaluated You as Very Helpful
Work Ethic	Did no work.	Often off-task.	Mostly focused and working.	100% on task.
Group Content	Content only consists of common knowledge.	Only some presentation questions are answered.	Most major presentation questions are answered, but not in-depth.	All major presentation questions are answered in-depth.
Visual Presentation	Incomplete.	Most slides have too many words or are disorganized.	Some slides have too many words or are disorganized.	All slides well-organized, good images and important key words.
Presentation	Did not present	Completely reading off of slides or cards or too quiet to hear.	An average presentation mostly reading off of slides or cards. Not 4-8 minutes.	A smooth presentation with good volume, flow, and storytelling. Between 4-8 minutes.

Your Score: \_\_ / 15

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### **Peer Evaluation**

Your Name:

Group Topic:

Group Members (Do not include yourself)	Not Helpful	Somewhat Helpful	Helpful	Very Helpful