



Climate Engineering Teaching Module

Lesson 5 – Culminating Event

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Objective

Student Presentations of their Climate Engineering Designs

Purpose

Students will present their climate engineering design to an audience consisting of climate scientists, engineers, stakeholders, and/or policymakers. Engineers and scientists give presentations of their work to a wide variety of audiences. This task challenges the students to take their work outside of the classroom, to communicate their designs to a new audience, and to gather feedback from new sources.



Presentation Template

Each group selects one technology to present. Each member of the group will participate in the formal presentation (5-10 minutes)

Student 1: Presents the blueprint, features, size, materials and costs

Student 2: Describes how the technology will function to slow global warming and/or climate change

Student 3: Limitations of the design? Regional or Global solution to warming and climate change? Long- or short-term solution?

Student 4: Who benefits? What are the unintended consequences and risks?

Student 5: How should this technology be deployed? By whom? When? Who pays?



Letter / Video to Indiana's Governor

Alternatively, students can write letters to decision makers about their geoengineering ideas and what they have learned. This provides a great opportunity to demonstrate to the students the power of letter writing. These letters should also reflect on climate change's impact on their personal lives and why it is important to them that they see appropriate decisions being made by politicians and industry leaders. Catherine Peterson, Kirstin Milks, and Amanda Figolah created an assignment to help their students write the letter or create a video to send to Indiana's governor. They graciously shared [their assignment here.](#)



End of Climate Engineering Teaching Module

Like career scientists and engineers, this task challenges the students to communicate their designs to a new audiences, and to gather feedback from new sources.

Questions/Comments/Thoughts/Ideas welcome!

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