Unit Challenge:
Design a climate-friendly home.

Students will study rising carbon dioxide levels and the relationship with rising temperatures. Natural and anthropogenic factors causing climate change will be investigated. Students will develop skills in asking scientific questions to better understand the causes of a changing climate.

Students will reflect on energy concepts to understand heat transfer in homes and on Earth. They will then have the knowledge and skills to design a climate-friendly home while considering engineering principles of design. A final discussion will consider the ethics of decision making.

Culminating Project:
Students design, create, and test a climate-friendly home.

Student Outcomes:
- Designed a climate-friendly home
- Improved ability to communicate with others
- Increased understanding of the way in which designs and solutions vary
- Increased awareness of the need for ethical considerations in scientific debate
- ESS3.D Global Climate Change

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We build science curriculum that inspires students to design a more sustainable world.