What happens when light from the Sun Shines on the Earth?

Learn to Speak Clearly
Small groups present their initial ideas to the whole group

Learn to Write Coherently
Homework requires essay responses

Learn to Create Media
Each student creates a children's book

Learn to Critique Media
What are you curious about global climate change? Formulate and state several questions you could explore through the resources on the Internet.

Make Connections to NGSS
Reflection on engaging a friend in exploring her carbon footprint: The NGSS standard that goes with this is engaging in argument from evidence and we did a little bit of this because at first, she didn’t think that the melting of the ice would be affecting her and through my argument from evidence of warming, I was able to teach her that it wasn’t true. I also used cause and effect because we could see the effect that our carbon footprint and global warming was causing these huge ice shelves to melt in Greenland.

Respond to Exit Tickets
What was most interesting about what you learned today? Climate change cannot be undone, but we can work to slow it down.

Student Impressions
This course has made me excited to teach and learn more about science as I become a teacher because I enjoy learning why things happen around me in the world.

Reflect on Teaching
Friend or Family Members
(My Dad) helped me complete our carbon footprint... we were very surprised by the results... I enjoyed teaching my dad about global climate change by showing him evidence of the melting glaciers in Montana and talking to him about the experiment we did in class with the ice and rock and plastic dishes. I learned that evidence for any topic is a good component to have when you are teaching because it gets people talking and asking questions.

Homework requires essay responses
Students use before, during, and after reading strategies

Each student creates a children's book

Learn to Read Thoughtfully
Students use before, during, and after reading strategies

Example After Reading Strategy: Ask yourself: what do I now understand that before I did not? What new information do I have about this topic?

On the Intergovernmental Panel on Climate Change’s website, I found their National Greenhouse Gas Inventories task force was dedicated to developing methods for calculating greenhouse gas emissions in the atmosphere, as well as their removal... I was not aware of the Intergovernmental Panel of Climate Change, let alone that they have specific task forces to tackle various issues within climate change.