Lesson 3: Climate Change Action

What can be done about climate change?

Lesson 3 Slideshow Presentation

Climate Change: Solutions
What is being done and what can we do?

Questions I hope to answer:
- What can be done to reduce fossil fuel emissions?
- What can we do?
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What can we do?

- Individuals
- Families
- Schools
- Cities
- States
- Country
- Planet

There is not just one solution...

- Energy Conservation
- Renewable Energy
- Carbon Capture and Storage
- Transportation
- Education
- Political Engagement

Simple Things to Do

- Dress lightly when it's hot, or use a fan. Use less air conditioning.
- Dress warmly when it's cold instead of turning up the heat.
- Walk short distances instead of using the car.
- Recycle.
- Plant a tree or a garden.
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...More Simple Things to Do

- Turn off your computer or the TV when you’re not using it.
- Take shorter showers. Heating water uses energy.
- Keep rooms cool by closing the blinds, shades, or curtains.
- Turn off the lights when you leave a room.

Energy Conservation: Why use CFLs?

<table>
<thead>
<tr>
<th>Incandescent Light bulb</th>
<th>Compact Fluorescent Light bulb (CFL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy use (watts)</td>
<td>60</td>
</tr>
<tr>
<td>Light (lumens)</td>
<td>800</td>
</tr>
<tr>
<td>Lifetime cost</td>
<td>$40</td>
</tr>
<tr>
<td>Mercury pollution</td>
<td>5.5 mg</td>
</tr>
<tr>
<td>Energy use (watts)</td>
<td>13</td>
</tr>
<tr>
<td>Light (lumens)</td>
<td>800</td>
</tr>
<tr>
<td>Lifetime cost</td>
<td>$10</td>
</tr>
<tr>
<td>Mercury pollution</td>
<td>1.6 mg</td>
</tr>
</tbody>
</table>

Source: Energystar.gov

Renewable energy

- Battle Creek Elementary, St. Paul, MN
- Proctor Public Schools, MN
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Carbon Capture and Storage

Transportation
Source: Metro Transit http://www.metrotransit.org/Data/Sites/1/media/buses/MetroTransit-HybridbusL.jpg
Source: Star Tribune http://stmedia.startribune.com/images/marcot_1310489678_biker.JPG

Educate Others
A brochure developed by a sixth grader for an open house at their school.
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**Educate Others**

A poster made by a sixth grader for an open house at their school.

**Local Political Work**

Building on Minnesota’s leadership in renewable energy, students rallied in favor of the MN Solar Energy Standard at the state capitol in 2013, which was enacted.


**National Political Work**

Politicians want to hear from people like you who care about issues in your community. Communicate with them by email, phone or in person!
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If you made a plan of action…

- How would you reduce fossil fuel emissions from your school?
- What would factor into your decisions?
  - Money
  - Scientific Data
  - Environment
  - Other

Your Action Plan

- How would you reduce fossil fuel emissions from your school?
- You must choose at least one strategy from each category:
  - Energy Conservation
  - Transportation
  - Renewable Energy
  - Education
  - Carbon Capture and Storage

Credits

Thank you to the National Wildlife Federation for giving permission to use slides from Climate Classroom.