

TeachWithFergy

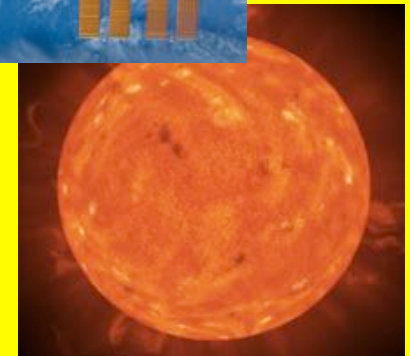
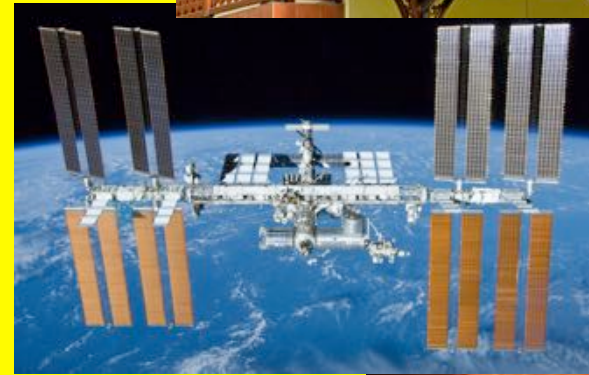
Preview File

Please enjoy this preview of your Student Version of the lesson. I've created this PDF for ease of viewing and to decrease the file size but of course, your lesson will be in PowerPoint format.

- Some slides appear blank because they have been removed.
- Student versions have portions of the text removed which is given in the teacher version and appear as _____
- Other slides may have on them, this represents writing that has been removed.

Solar Electricity Production

- Renewable energy
- The power of the Sun
- The Sun and solar energy
- Solar electricity production
- How it works and what it can be used for
- Future solar technology
 - ✓ Transparent solar panels
 - ✓ Solar shingles
- Solar towers



Renewable Energy

- _____
- This renewing happens quickly and is always available



- The main use of renewable energy is to create electricity. Some countries

Renewable Energy

- Most common renewable energy sources include _____



The Sun

- The Sun is a star located about 150,000,000 km away from Earth
- It produces energy using fusion that combines two hydrogens together to form a single helium atom and A LOT of energy
- The Sun is

In slideshow mode, click
the video image below to
automatically open the
video



Solar Electricity Production

- _____
- Currently, solar energy only produces about 11% of the world's energy production
- We need to do better!

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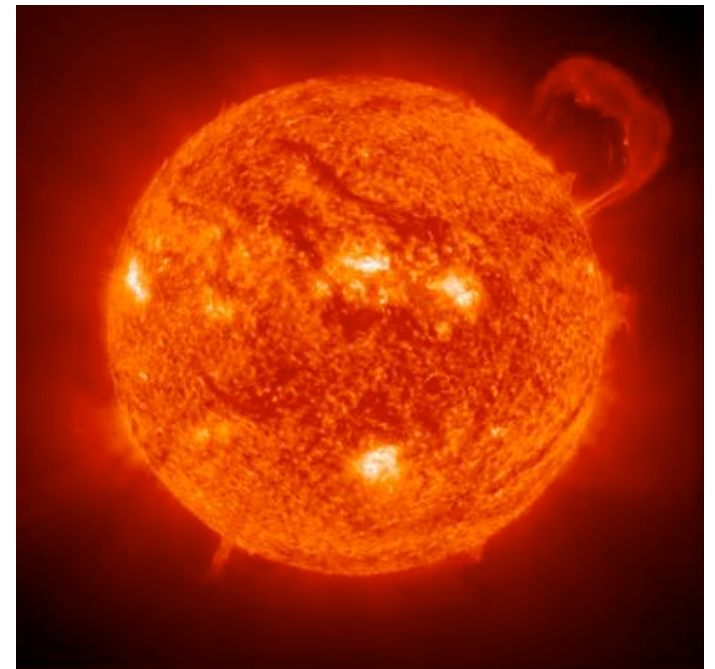
The Sun and Solar Energy

- The Sun's energy is almost infinite and if we could trap just a little, we could power everything forever!



How Solar Energy Production Works

- Our most efficient use of solar energy is done in space
- _____
- Right now, the International Space Station harnesses this energy to power itself



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How Solar Energy Production Works

- Solar energy production also allows homes and office buildings to use less energy from the electrical grid
- By using more solar and less fossil fuels, _____

— _____



Future Solar Technology

- The trouble with solar technology today is that it is expensive and doesn't always look very nice
- However, there are some recent innovations that could change that



Future Solar Technology – Transparent Solar Panels

- _____
- Hopefully this will encourage more people to use them



Future Solar Technology – Solar Shingles

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Solar Towers



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Answer the following questions while watching the video. Do so on a separate sheet of paper.

1. Explain how solar towers generate electricity.
2. What main advantage do solar towers have over regular solar panels?

Solar Towers – Answer Key

A full answer key is provided in the
Teacher Version