

Physics Solar Energy Lessons

| Lesson | Description | Key Topics | Standards | Materials | Resources/Links |
|--|---|--|---------------------|----------------------|-----------------|
| Power Reading & Internet Questions | Physics/Energy Webcrawl designed for Students to gain understanding of Energy & Power usage and associated calculations. Students pull data to calculate for a variety of energy & Power applications including energy usage & cost of an average US household, % of US total energy production for each form of energy including alternative energy sources, and total energy usage within the US. | Energy in J & kWh; Energy Cost Analysis; Energy Efficiency; Power; Comparison of traditional & alternative energy sources. | HS-PS3 HS-ESS3-3 | Internet Connection. | |

*indicates foundational lesson