Curriculum Unit Title: Energy Visualized and Easily Explained to 3rd Graders

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KEY LEARNING, ENDURING UNDERSTANDING, ETC.

Students will be able to explain what energy, where it comes from, and how it is used in their everyday lives.

ESSENTIAL QUESTION(S) for the UNIT

What is energy and why is it important to the world and myself?

CONCEPT A

ESSENTIAL QUESTIONS A

Where does energy come from?

VOCABULARY A

Rocks, minerals, gasoline, coal, sun, transfer.

ADDITIONAL INFORMATION/MATERIAL/TEXT/FILM/RESOURCES

- The Magic School Bus, “Let’s get Energized” https://www.youtube.com/watch?v=tLJG9bB78YM
- Fuel and The Environment: Denise Walker
- What are Minerals? Natalie Hyde
- Hot! Heat Energy By Emma Carlson Berne
- Heat and Energy: Steve Parker
- Several useful websites for student centers are included towards end of curriculum.

CONCEPT B

ESSENTIAL QUESTIONS B

How has energy been used in history?

VOCABULARY A

Tessel, Edison, Industrial Revolution, battery, watts.

CONCEPT C

ESSENTIAL QUESTIONS C

How does energy effect my everyday life?

VOCABULARY A

Solar energy, gas, wind, carbohydrates, lipids, sugars, water power.