

Renewable Energy- Blowing in the Wind

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Abstract

In this unit, students will learn and explore the five most common forms of renewable energy: Biomass, Solar, Hydropower, Geothermal, and Wind. Students will explore various activities to help them understand energy conservation. Students will watch a video from former President Obama who discusses some of the changes we face in combating climate change and how America is working on energy conservation efforts. This unit allows students to think critically about the ways in which human activity affects our environment and the role they play in trying to eliminate further damage to the world in which we live. The unit is very interactive and involves technology on a large scope and sequence. The lessons are designed and tailored for students to learn through inquiry-based activities by posing questions. Students will make brochures as well as collages to present to their peers. The last culminating activity will be for students to design a Lego energy model of their renewable energy topic. The curriculum addresses the Next Generation Science Content Standards. The intended audience for this unit is grade 5, however, it can be modified for grades 6-8 it also incorporates social studies.