



## 4-H Educational Vodcasts

National 4-H educational vodcasts are developed as learning tools to support individual curriculum or broad subject matter areas.

### ***After the Fire*** (5 minutes)

Curriculum: *Exploring Your Environment - Adaptations*

Description: This film focuses on adaptations, specifically in Yellowstone National Park. Viewers will learn about:

- Forest fires and their natural role in environmental cycles
- Forest fires as a breeding ground for multiple species that thrive in seemingly 'less than likely' environment (such as forest fire ash)
- The emergence of a unique ecosystem 'after the fire' and the interactions between plants, animal, and insects.
- Specific unique adaptations of living things (the black back woodpecker, beetles, etc.)

### ***Renewable Energies*** (5 minutes)

Curriculum: *The Power of the Wind* and *Exploring Your Environment*

Description: In this film, a 15-year-old youth who works on the family farm introduces modern ideas of sustainability as related to agriculture. As a change-agent for his farm and an inspiration to young people, he educates viewers about:

- 21<sup>st</sup> century agriculture and sustainability
- Innovations, invention, and the engineering design process
- Biofuels
- Technology
- New possibilities

### Additional Vodcasts Available Soon:

***The Soil Horizons:*** A vodcast about soil and the role it plays as a sustainer of life on this planet.

***A Day without Water:*** A vodcast about water conservation and water quality.

***Into the Wind:*** A vodcast about wind, wind turbines and use of wind energy.

***Chemical Footprint:*** A vodcast that discusses our chemical footprint as it relates to water quality.

***Bioengineering:*** A vodcast about bioengineering, with a focus on bioluminescence.

***Scientific Inquiry Process:*** A vodcast on the Scientific Inquiry Process as it relates to wind energy.

***Engineering Design Process:*** A vodcast about using the design process to find solutions.

***Vodcast Virtual Workshop: How to Create Your Own Vodcast:*** A series of vodcast modules that provide the learner with an online instructional "how to produce and host a Vodcast".