



# Brookie Braves A Storm

## Curriculum

### #1: KWL Chart

#2: Watch the video: *Brookie Braves A Storm*

#3: Fill out the Guided Notes

#4: Pick a topic to dive deeper:

- Watershed Warriors
- Macroinvertebrates
- Trout – Indicator Species
  - Aquatic Passage
- Abandoned Mine Drainage
  - Watershed Monitoring
- Anthracite Coal – Geology
  - Treatment Systems
    - Stewardship
  - Careers in STEM

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## Standards

### **Standard - 3.1.5.A2**

Describe how life on earth depends on energy from the sun

### **Standard - 3.1.5.A3**

Compare and contrast the similarities and differences in life cycles of different organisms.

### **Standard - 3.3.5.A1**

Describe how landforms are the result of a combination of destructive forces such as erosion and constructive erosion, deposition of sediment, etc.

### **Standard - 3.4.5.A1**

Explain how people use tools and techniques to help them do things.

### **Standard - 3.4.5.D3**

Determine if the human use of a product or system creates positive or negative results.

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**Standard - 3.4.5.E2**

Understand that there are many different tools necessary to maintain an ecosystem, whether natural or man- made.

**Standard - 4.1.5.A**

Describe the roles of **producers**, **consumers**, and **decomposers** within a local **ecosystem**.

**Standard - 3.4.5.E7**

Describe the importance of guidelines when planning a community.

**Standard - 3.4.5.E6**

Examine how manufacturing technologies have become an integral part of the engineered world.

**Standard - 4.1.5.B**

Explain the basic components of the water cycle.

**Standard - 4.1.5.C**

Describe different food webs including a food web containing humans.