

Educator Guide – Lesson Topics

The Educator Guide that accompanies *America Wild* is appropriate for students in the primary grades (K-8). Activities developed for this guide support Next Generation Science Standards (NGSS). The guide focuses on the natural sciences highlighted by the film, as well as geography, history and language arts. Here is a list of the topics covered in each lesson.

LESSON 1:

Conservation is Critical (grades K – 5)

This cross-curricular plan touches on the topics of:

- Biodiversity and humans
- Human impact on Earth systems
- Natural Resources and conservation
- Inferring
- Reading and writing
- Art
- Using primary sources

LESSON 2:

Summertime Shades (grade K – 2)

Topics of:

- Engineering design process
- Material and tool selection
- Creating a model

LESSON 3:

Animal Adaptations (grades K – 2)

Topics of:

- Structural animal adaptations
- Reading and discussion

LESSON 4:

River Run (grades K – 2)

- Topics of:
- Creating a model
- Human impact on Earth systems

LESSON 5:

Surviving Solo (grades 3 – 5)

Topics of:

- Magnets
- Teamwork
- Critical thinking



LESSON 6:

Layers Over Time (grades 3 – 5)

Topics of:

- Relative dating
- Using evidence to justify answers

LESSON 7:

Through the Chain (grades 3 – 5)

Topics of:

- Movement of matter through food chain
- Creating a model
- Teamwork

LESSON 8:

Capturing Connections (middle school)

Topics of:

- Predicting patterns of interaction
- Using evidence to justify answers
- Symbiotic relationships

LESSON 9:

Explosive Volcano (middle school)

Topics of:

- Scientific method
- Earth's changing landscape
- Creating a model

LESSON 10:

How High Can You Climb? (middle school)

Topics of:

- Variables
- Force and motion