

# Landslides

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May 17, 2021

## Landslides

Grade Level: third grade to fifth grade

Suggested Time: 30 minutes to 45 minutes

Lesson Type: STEM

### Overview

Using Peruvian folklore as a prompt students will learn about landslide: why and how they happen and as a project we will propose a way to prevent damage to people and buildings.

### Vocabulary

- Landslide
- Climate
- Barrier
- Mudd
- Boulders
- Rocks
- Gravel

### Standards

3-5-ETS1-1: Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost. (Grades 3 - 5)

### Required Project Materials

- Rocks
- Soil
- Dirt
- Water
- Bowl

### Multimedia Resources

- [Landslide video](#)

### Optional Multimedia Resources

- [How to be aware](#)

### Before the Lesson/ Background Information

- Read on landslides and the effects on the environment.

## The Lesson

### Part 1: What is a Landslide

1. Students will be introduced to landslides through Peruvian folklore about them.
2. Students will watch 2 videos about landslides, their different types and causes.

### Part 2: The effects of a landslide

1. In groups, students will build a model of a mountain with buildings on it. They will then simulate landslides with different materials.
2. Students will determine the different damage each type of landslide can cause.
3. In groups students will use their model to try to come up with solutions to minimize the damage caused by the different landslides.

### Part 3: How to minimize the effects of a landslide

1. Students will determine the different damage each type of landslide can cause.
2. In groups students will use their model to try to come up with solutions to minimize the damage caused by the different landslides.

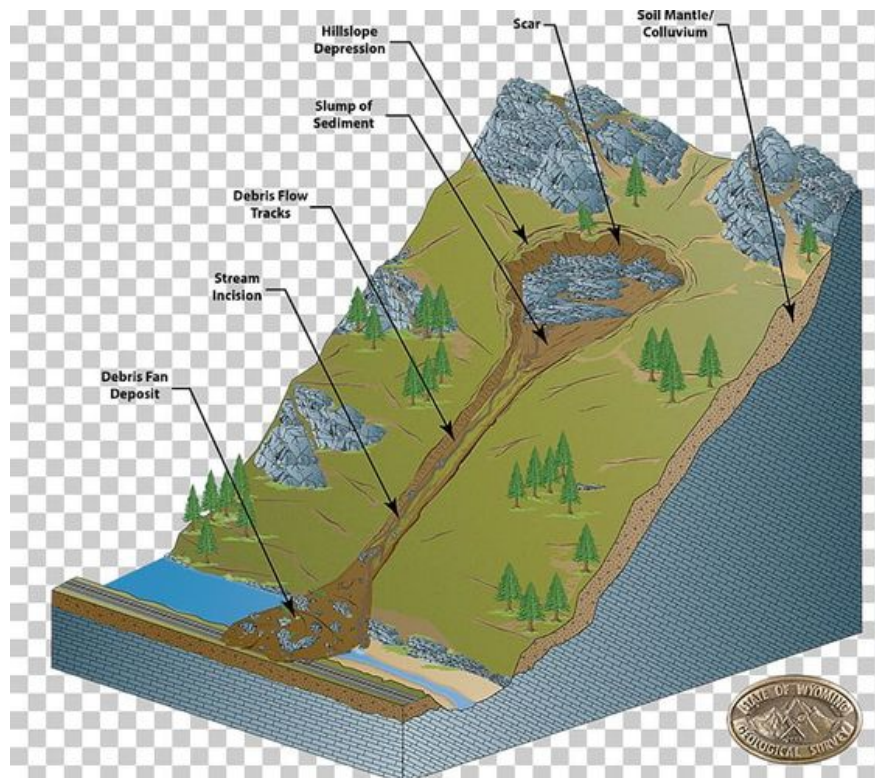


Figure 1: Landslide