

# MYTHBUSTERS

## *Red Rag to a Bull*

### Teacher's Guide



**Grade Level:** 6-12

**Curriculum Focus:** Science

**Running Time:** 47 minutes

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### Program Description

The MythBusters head to the rodeo for myths all about bulls. First, does the color red make bulls angry? Kari, Tory, and Grant test out three variables—color, movement, and the presence of humans—to find out what really makes a bull “see red.” Next, they investigate if a bull can be trusted in a china shop. Finally, Adam and Jamie explore the anatomy of a bullet to test myths on heat, pressure, and gunpowder.

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### Learning Objectives

After viewing the program and participating in discussion, students will be able to:

- Describe how heat and pressure affect bullets;
  - Understand the importance of research before experimenting;
  - Know that media and popular culture are often the cause of myths;
  - Realize that bulls charge a moving object without preference to color;
  - Describe how science experiments drive scientific progress.
- 

### Classroom Connections

Before Jamie and Adam can conduct the Bullet in the Oven myth, they must figure out if an oven is bulletproof. Describe their findings.

List the four parts of a bullet and how each part works.

A popular misconception about bulls is that they are color-blind. However, bulls are dichromatic. What does this mean? Are humans dichromatic?

Why do bullets explode quickly in a campfire and not an oven?

# Mythbusters Curriculum Guide

**AN Whitehead**



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