

# MYTHBUSTERS (20 TITLES)

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## MYTHBUSTERS (20-PACK)

Gr. 6-12

© 2007 349 min.

**Producer:** Discovery Education

Is it fact or fiction? Special effects experts Adam Savage and Jamie Hyneman take urban legends and put them to the scientific test. From surviving a plane crash to training a goldfish, the MythBusters team designs an experiment to prove whether it's possible or another myth busted. The concepts presented in each PROGRAM will have students looking at science in a whole new way.

*20 Teacher's Guides*

**Formats Available:** VHS DVD

## ANIMAL BEHAVIOR

Gr. 6-12

© 2007 15 min.

**Producer:** Discovery Education

Some people believe that goldfish can live comfortably in a small bowl because, after three seconds, the fish can't remember where they've been. In an effort to bust this myth, Adam and Jamie try to train goldfish to swim through a maze.

*Teacher's Guide*

**Formats Available:** VHS DVD

## BACTERIA

Gr. 6-12

© 2007 10 min.

**Producer:** Discovery Education

Will a wet toothbrush pick up bacteria from a nearby toilet if the brush is left in the bathroom? Adam and Jamie spend an entire month investigating this urban legend.

*Teacher's Guide*

**Formats Available:** VHS DVD

## BOTANICAL GROWTH

Gr. 6-12

© 2007 12 min.

**Producer:** Discovery Education

Many people talk to their plants, claiming it makes them grow better. The MythBusters investigate the effect of speech and music on plant growth.

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**Formats Available:** VHS DVD

## BUOYANCY

Gr. 6-12

© 2007 24 min.

**Producer:** Discovery Education

The MythBusters team investigates two "uplifting" ideas: can a child be lifted off the ground by helium balloons, and can ping pong balls be used to raise a sunken ship?

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**Formats Available:** VHS DVD

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## CHEMICAL CHANGES

Gr. 6-12

© 2007 14 min.

**Producer:** Discovery Education

Some people claim that cola can clean up everything from blood stains to engine grease. Others point to the soft drink's corrosive properties. Is cola really that versatile? Adam and Jamie put ten cola myths to the test to find out which ones get busted.

*Teacher's Guide*

**Formats Available:** VHS DVD

## CHEMICAL REACTIONS

Gr. 6-12

© 2007 16 min.

**Producer:** Discovery Education

If you're sprayed by a skunk, what's the best way to get rid of the awful smell? The MythBusters investigate the chemical reactions behind getting "skunked."

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**Formats Available:** VHS DVD

## CIRCULAR MOTION

Gr. 6-12

© 2007 8 min.

**Producer:** Discovery Education

Can a person generate enough speed on a swing set to make a full revolution without falling out of the seat? The MythBusters have to obey the laws of gravity to find out if this myth is fact or fiction.

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**Formats Available:** VHS DVD

## COMBUSTION

Gr. 6-12

© 2007 17 min.

**Producer:** Discovery Education

Can you blow up a gas station if you use your cell phone while pumping gas? This myth is so pervasive that even many gas station owners believe it. Follow the MythBusters as they try to blow the lid off this urban legend.

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**Formats Available:** VHS DVD

## ELECTRICITY AND MAGNETISM

Gr. 6-12

© 2007 36 min.

**Producer:** Discovery Education

Can airplane instruments be zapped by a passenger using a cell phone? Can you be zapped by electricity if you talk on the phone or take a shower during a thunderstorm? The MythBusters are in for some electrifying experiences as they try to answer these questions.

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## ELECTRICITY

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The MythBusters take on a tale that has been told in American classrooms for generations: Ben Franklin discovered electricity by flying a kite with a key attached to it during a thunderstorm. Adam and Jamie recreate the experiment to find out if it's possible to draw sparks from the key - and live to tell about it.

*Teacher's Guide*

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## ENERGY CONSERVATION

Gr. 6-12

© 2007 13 min.

**Producer:** Discovery Education

Is it possible to harness "free energy" from the environment? There are plenty of products being sold that claim to do just that. Adam and Jamie decide to put several of them to the test.

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**Formats Available:** VHS DVD

## FORCE AND MOTION

Gr. 6-12

© 2007 32 min.

**Producer:** Discovery Education

Can you really fall from a plane and use the inflated life raft or escape slide as a parachute? Can a toy car beat a real car in a downhill race? Adam and Jamie look at the forces called into play.

*Teacher's Guide*

**Formats Available:** VHS DVD

## FORCES

Gr. 6-12

© 2007 24 min.

**Producer:** Discovery Education

Is it possible for a human being to fall from a jet airliner in flight and live? Could you survive being hit on the head by a penny dropped from the top of a skyscraper? The MythBusters team explores the gravity of these situations.

*Teacher's Guide*

**Formats Available:** VHS DVD

## GRAVITY

Gr. 6-12

© 2007 11 min.

**Producer:** Discovery Education

The MythBusters answer a question that many people have asked themselves at the breakfast table: If you drop a piece of buttered toast, is it more likely to land buttered-side up or buttered-side down? With the help of a mechanical toast dropper and statistical analysis, Adam and Jamie are about to find out.

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## INERTIA

Gr. 6-12

© 2007 17 min.

**Producer:** Discovery Education

Adam and Jamie get a kick out of testing a myth that footballs filled with helium will fly farther and hang longer than ones filled with regulation air.

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**Formats Available:** VHS DVD

## MYTHS ABOUT MOTION

Gr. 6-12

© 2007 13 min.

**Producer:** Discovery Education

Many people run from one point to another in the rain, thinking they'll stay drier than if they walked. The MythBusters team investigates to see if this theory is all wet.

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## REFLECTED ENERGY

Gr. 6-12

© 2007 16 min.

**Producer:** Discovery Education

If you thought death rays belonged only in futuristic science fiction, think again. The Greeks are said to have built one to set fire to invading Roman ships 2,000 years ago. Adam and Jamie decide to shed some light on this legend to find out if it could be true.

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**Formats Available:** VHS DVD

## SOUND ENERGY

Gr. 6-12

© 2007 28 min.

**Producer:** Discovery Education

The MythBusters seek out the sound of scientific truth. They want to know if a singer can really break a glass using only his voice and if the urban legend that duck voices don't echo is all it's quacked up to be.

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**Formats Available:** VHS DVD

## WATER DISPLACEMENT

Gr. 6-12

© 2007 15 min.

**Producer:** Discovery Education

Even seasoned sailors believe that the force created by a sinking boat is strong enough to pull a person down with the ship. Learn more about water displacement when the MythBusters team sinks the MythTanic.

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## WORK AND ENERGY

Gr. 6-12

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**Producer:** Discovery Education

Many people believe that driving with the windows down creates a draft that slows the vehicle and hinders fuel efficiency. On the other hand, air conditioning requires a lot of power. Which method really saves gas? The MythBusters team puts the pedal to the metal to find out.

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