

**Bill Nye, the science guy**

*For descriptions see individual titles:*

- Bill Nye the Science Guy: Energy
- Bill Nye the Science Guy: Friction
- Bill Nye the Science Guy: Heat
- Bill Nye the Science Guy: Waves

**\* Bill Nye the Science Guy: Energy**

DV0378,DV  
26 min IJS 2005 Disney Educational Productions  
*Bill Nye, the science guy Series* - This spirited episode is sure to rev things up when it covers water, muscles, heat, light, sound, and other types of energy that make things go, run, or happen. See how to conduct home experiments that will transform potential energy into kinetic energy and use falling water to make energy.

**\* Bill Nye the Science Guy: Friction**

DV0372,DV  
26 min IJS 2004 Disney Educational Productions  
*Bill Nye, the science guy Series* - We don't want to rub you the wrong way; we're just giving you the true grit about friction! Bill illustrates how various types of transportation utilize friction, from the use of traction in trains and the "roll" of ball bearings in skateboards and automobiles, to the lack of friction in a hovercraft.

**\* Bill Nye the Science Guy: Heat**

DV0373,VH  
26 min IJS 2005 Disney Educational Productions  
*Bill Nye, the science guy Series* - Way Cool Scientist Bill Nye really radiates in this sizzling episode. Learn what heat is and about its three forms: conduction, convection, and radiation.

**\* Bill Nye the Science Guy: Waves**

DV0374,DV  
26 min IJS 2004 Disney Educational Productions  
*Bill Nye, the science guy Series* - Catch a few waves with the Science Guy! Bill explores sound waves, light waves, seismic waves, energy waves, and even "the wave" that's so popular with stadium crowds!

**✦ Heads Up**

IJ Landmark Media, Inc  
This 26-part astronomy and astronautic series takes "twens" beyond the classic of the Big Dipper and Moon on an informative and entertaining tour of our solar system, the Milky Way, and beyond. Students will explore the mysteries of space, physics and geology, and learn where inside this great galaxy we live. They will also learn that gravity is not just a force on Earth but an all encompassing force throughout the universe. Heads Up visits some of the world's leading science and space centers such as NASA and Jet Propulsion Labs and looks through some of the biggest telescopes on the planet. 28 Minutes each

**\* How Far Can We Go In Space?**

DV0379,DV  
28 min PIJS 2007 Landmark Media, Inc  
What kind of rockets will we need in order to travel further into space? Find out why half the people who fly get sick. Could you live in an enclosed chamber for months on end?

**\* How Big is the Earth?**

DV0380,DV  
28 min PIJS 2007 Landmark Media, Inc  
We've come a long way since thinking the earth was flat. Now satellites provide us real-time updates on everything we need to know like weather, ocean currents and forest cover.

**\* Is There Life on Other Worlds?**

DV0381,DV  
28 min PIJS 2007 Landmark Media, Inc  
Come explore strange places on Earth, where "extremeophiles" make their home. If life can exist in these places, can similar life be found on other worlds?

**\* What Happens When you Fall Into a Black Hole?**

DV0382,DV  
28 min PIJS 2007 Landmark Media, Inc  
Learn what black holes are, and how you can fall into another universe. How do these objects form? What would happen if you fell into a black hole? Learn about pulsars and neutron stars.

**\* The Science of Disney Imagineering**

Disney Educational Productions

**\* Designs and Models**

DV0375,DV  
25 min IJS 2009 Disney Educational Productions  
How did the Imagineers create a realistic looking snow-capped mountain in Florida for Animal Kingdom's Expedition Everest? They started with a design process and models. Using real theme park rides and attractions, like Radiator Springs Racers and Toy Story Midway Mania, students will see how design and models are used to put things together and make them function. They will learn the steps of the engineering design process as well as how both physical and computer aided design models are useful. Each Imagineering DVD includes a bonus "try it yourself" experiment and an interactive assessment to reinforce key learnings.

**\* Energy**

DV0376,DV  
25 min IJS 2009 Disney Educational Productions  
What scientific principle is at work in every theme park ride the Imagineers create? It's Energy. The Imagineers reveal the role energy plays in popular theme park attractions such as Epcot's Test Track and the Mad Tea Party. Students will learn that energy is the ability to do work and that energy is constantly being transferred from one thing to another. They will also identify the difference between potential and kinetic energy and be able to establish examples and benefits of renewable energy. Each Imagineering DVD includes a bonus "try it yourself" experiment and an interactive assessment to reinforce key learnings.

**\* Fluids**

DV0377,DV  
25 min IJS 2009 Disney Educational Productions  
What bit of science do the Imagineers turn to when they want to make a splash? Fluids! In this DVD, the Imagineers demonstrate how they use fluids to their advantage in constructing rides and attractions like Grizzly River Run and The Seas with Nemo and Friends. Students will learn that a fluid is any substance that flows or moves easily due to its molecular make-up. They will also discover how fluid dynamics help us learn how fluids move and behave and also how fluids can be used to create mechanical advantage. Each Imagineering DVD includes a bonus "try it yourself" experiment and an interactive assessment to reinforce key learnings.