

NAVIGATING THE SIEMENS SCIENCE DAY WEBSITE

Welcome to Siemens Science Day, an innovative, hands-on program designed to captivate young students' interest in earth, physical and life sciences. On this site, you will find a variety of resources to help you easily make any day a Siemens Science Day!

Standards-based Activities

A rich database of hands-on earth, life and physical science activities for grades K-3 and 4-6

- Ready to try a Siemens Science Day activity or looking for new activities? It's easy to find an activity that meets your specific curricular needs. Siemens Science Day activities are organized by earth, life, or physical science. The newest activities from all three science disciplines are grouped together and featured on the front of the site under "New Activities." And monthly themed activities can be found in the Teacher Resource Center.
- Simply click on the earth, life or physical science tab to find a list of dozens of fun, hands-on activities. Once you click on the tab, you will find a brief description and difficulty rating for each activity, based on how difficult the activity is to both set up and perform. The rating scale is from 1 to 5, with 1 being the easiest and 5 being the most complicated.
- Find an activity you would like to try? Then click on the name of that activity to be taken to a summary, overview and list of objectives. You will also see a screen with a video (see below) related to each activity and a button that lets you download the entire activity.
- Within each activity, you will find:
 - Time frame
 - Real-world science topics
 - Objectives
 - Materials needed
 - Teacher preparation
 - National Standards connections
 - Warm up
 - Step-by-step instructions
 - Wrap up
 - Extensions
 - Background information
 - Teacher and Student Handouts

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Standards-based Videos

Short, high-interest videos from the Discovery library that correspond with each activity

- Embedded within each activity on the site, teachers can find a short, high-interest video that creatively connects students to a topic from the lesson. For example, the video included in an activity on balance shows how different animals use their bodies to balance. And the video included in an activity about food decomposition shows students how salt is used to preserve prosciutto ham!
- The videos can be used before, during or after the activity to visually enhance the learning process and engage students in the topic.

Ultimate Cool School Science Day Sweepstakes

Exciting opportunity for schools to win an awesome, hands-on science assembly!

- The Siemens Science Day site is the only place where teachers can enter to win the Ultimate Cool School Science Day Sweepstakes! They can also view the official rules and learn about past winners.
- The Ultimate School Cool Science Day Sweepstakes is an opportunity for schools to win a one-of-a-kind science-based assembly that includes interactive demonstrations and mind-blowing experiments led by a leading science guru and personality.
- Two grand prize winners are chosen at random: one from grades K-3 and one from grades 4-6. Enter daily for a chance to win!

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Monthly Themes

Activities grouped together under one timely and relevant theme each month

- Each month on the homepage, teachers will discover earth, life and physical science activities and corresponding videos grouped together under one common theme, such as food, weather, or engineering, for example. Check out the monthly themes here: <http://siemensscienceday.com/monthly-theme>.
 - Check out the Green activities section, where you will find activities and corresponding videos related to protecting the environment, here: http://siemensscienceday.com/green_activities.cfm.
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Teacher Resource Center

Designated teacher area with resources to help utilize the Siemens Science Day website and integrate activities in the classroom

- Be prepared to cover any lesson plan by utilizing the “5-Minute Preps,” short presentations that provide an overview of various earth, life and physical science topics, such as plant life cycles and energy sources.
 - Find helpful documents with information on navigating the Siemens Science Day website; best practices for using the activities and videos found on the site; and an overview of earth, life and physical sciences.
 - Download a Certificate of Achievement to recognize each student for their participation in a Siemens Science Day activity.
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Featured News and Resources

- This feature helps teachers stay updated about the latest news and information about Siemens Science Day. New activities and new information are posted regularly.
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Siemens Science Day Widget

- Get a great science experiment delivered to your desktop every day to share with students or to impress others in the faculty room! Download the widget on Yahoo or Apple and look out for a great way to learn new science facts every day.