

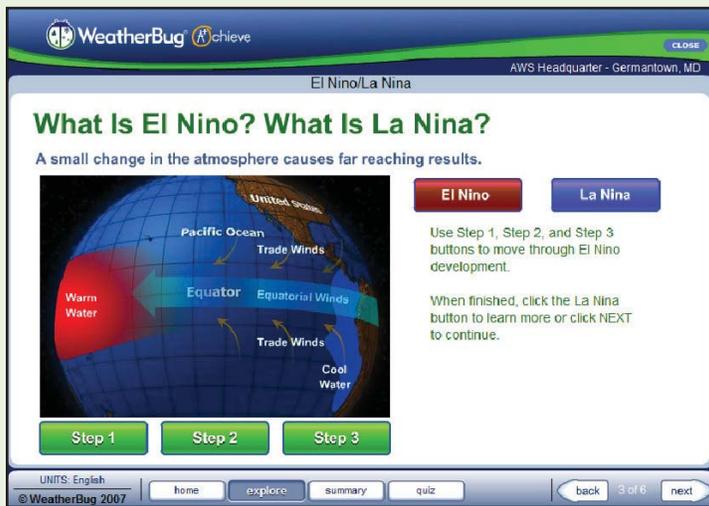
Integrate real-world instruction and STEM content into the classroom



Stimulate and engage young minds with an award-winning, Web-based program that incorporates live weather data into dynamic and interactive tools and lessons. WeatherBug Achieve integrates science, math, geography, technology, programming and more to improve student achievement using the live weather data from your school's very own WeatherBug Tracking Station or from any of the other 8,000 schools in the WeatherBug Schools Network.

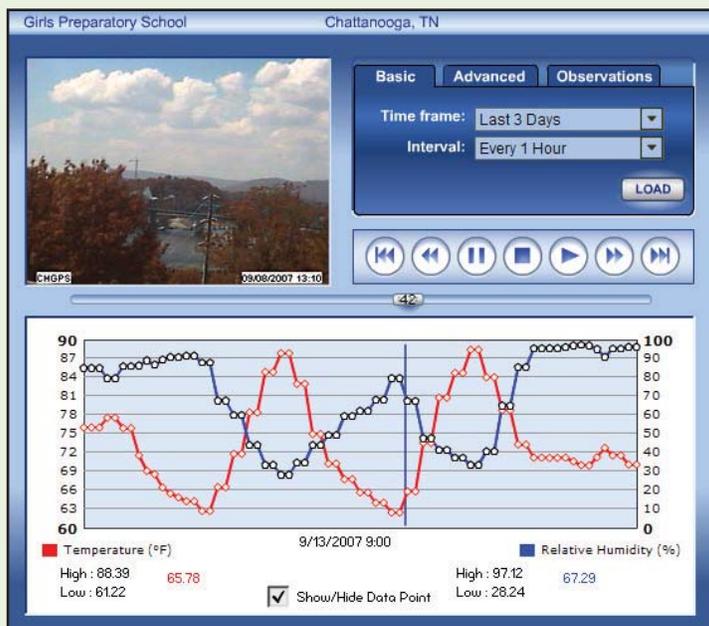


## Dynamic Data Integration



The screenshot shows an interactive lesson titled "What Is El Nino? What Is La Nina?". It features a globe with labels for "Pacific Ocean", "Trade Winds", "Equator", "Equatorial Winds", "Warm Water", and "Cool Water". There are buttons for "Step 1", "Step 2", and "Step 3". A "CLOSE" button is in the top right. Below the globe are "El Nino" and "La Nina" buttons. Text instructions say: "Use Step 1, Step 2, and Step 3 buttons to move through El Nino development. When finished, click the La Nina button to learn more or click NEXT to continue." At the bottom, there are navigation buttons: "UNITS: English", "home", "explore", "summary", "quiz", "back", "3 of 6", and "next".

Students learn at their own pace with engaging, interactive content that is always changing...the weather!



The screenshot shows the "DataCam" tool interface for "Girls Preparatory School" in "Chattanooga, TN". It has tabs for "Basic", "Advanced", and "Observations". The "Time frame" is set to "Last 3 Days" and the "Interval" is "Every 1 Hour". A "LOAD" button is present. Below the controls is a time-lapse image of a landscape. At the bottom is a dual-axis line graph showing "Temperature (°F)" on the left y-axis (60 to 90) and "Relative Humidity (%)" on the right y-axis (0 to 100). The x-axis shows the date "9/13/2007 9:00". A legend indicates: Temperature (°F) with High: 88.39, Low: 61.22, and Relative Humidity (%) with High: 97.12, Low: 28.24. There is a "Show/Hide Data Point" checkbox.

The DataCam tool couples time-lapse images with a graphing capability that allows students to correlate visual and plotted data.

### Learning Centered Lessons

Lessons are standards-based and can be used in self-taught or teacher facilitated settings. These interactive lessons are supported by exciting graphics and the thrill of using live weather events from the WeatherBug Schools Network of over 8,000 schools nationwide.

- The content is always fresh because the data for lessons and tools are constantly changing with that day's weather conditions.
- Students can study different locations and weather extremes, and compare and contrast those with the weather of their location.
- Concepts are reinforced through repetition of lessons using new data points.
- Students learn at their own pace.
- Interactive lessons provide instant feedback.

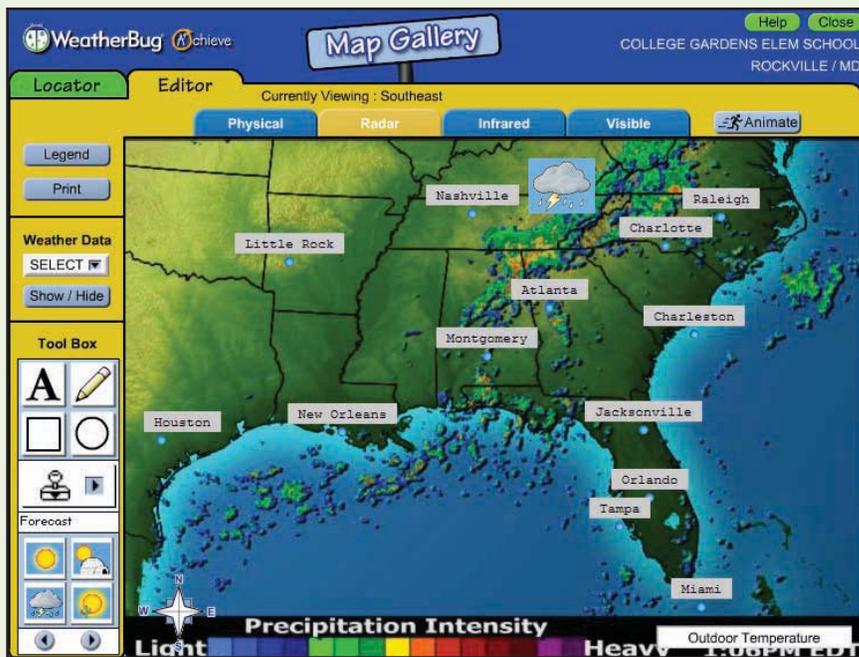
Activity Explorer includes tools for teachers to "search and select" lessons based on state standards and content area. Lesson plans and projects are easily generated and are in alignment with state standards.

WeatherBug Achieve's standards database is continually updated, so teachers stay ahead of changing curriculum requirements. In addition, WeatherBug Achieve is regularly reviewed to ensure that it continues to comply with the latest advancements in technology and Web-based instruction.

### Visual Learning Environment

Powerful graphics tools enable students to literally see what they're learning. Even the most complex mathematics and science concepts become easier to comprehend through advanced mapping and graphing features, including live/time-lapsed photography.

Graphing tools help your students to understand, analyze and manipulate all types of data using WeatherBug data. Multiple weather parameters can be plotted using historical weather information from any of the 8,000 WeatherBug schools. Your students can also chart changes to weather conditions; this will help them understand how to detect patterns and trends over time.

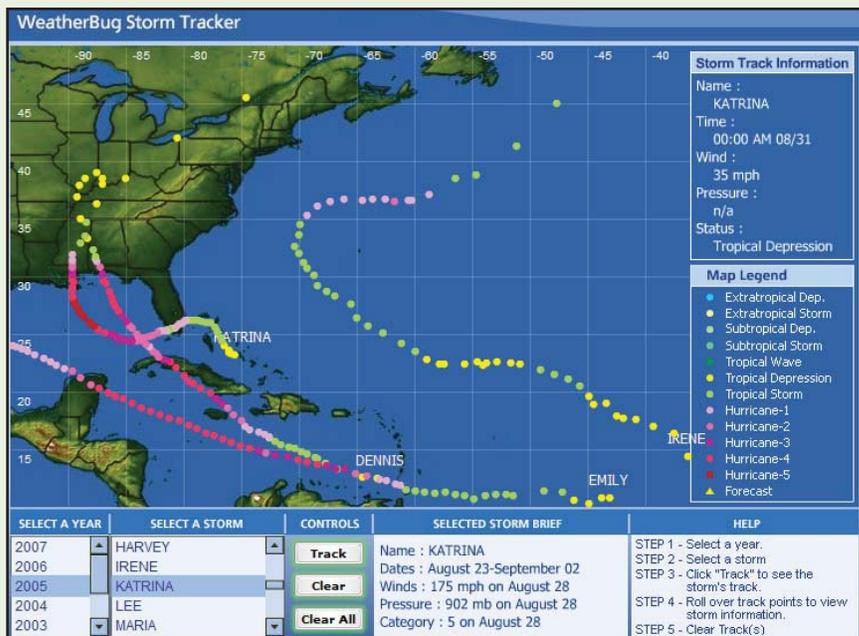


Map Gallery allows students to customize weather maps and be the meteorologist, just like on TV. The Meteorologist of the Day activity provides a template for interpreting and creating the day's weather forecast.

Live and Time-Lapsed Images are available from over 1,500 WeatherBug Cameras within the WeatherBug Schools Network. Live and time-lapse images from WeatherBug Cameras can be incorporated into lessons. Your students watch and compare weather changes in different regions of the country.

Map Gallery tools let students view, create and print maps. Map Gallery enables them to compare live weather data and develop skills in spatial relations. Students can gather information, categorize the data and choose the right symbols or colors to represent the data on a map. Radar and satellite maps are included.

StormCentral keeps students updated with all the latest information during hurricane season. You will find satellite and radar maps of the Eastern and Central Atlantic, the Caribbean, the Windward Islands, the Gulf Coast and the Atlantic coastal U.S. Strike Probability and Storm Track maps allow you to follow the storms as they develop. The interactive Storm Tracker tool plots current and historical storms. You can also print tracking maps for your students to plot hurricanes on their own. Your students can become Achieve-based hurricane hunters.



Be a hurricane hunter right in the classroom! Track current and historical tropical storms and hurricanes. Up-to-the-minute information from StormCentral puts your classroom right in the middle of tropical activity.

## Training and Special Programs

At Your Convenience Training can be accessed whenever and wherever it is most convenient for teachers — at home, at school, before class starts or in the evening. The Web-based training modules are divided into easy-to-learn topics that last no more than 15 minutes each and can be viewed as many times as needed on any computer with an Internet connection.

The Lead Teacher Program provides recognition, visibility and credibility to the designated teachers who become resident experts of the program. WeatherBug Achieve Lead Teachers get immediate support including a Web-based user's manual and supplemental training materials. Lead Teachers also have access to special features in WeatherBug Achieve to keep them abreast of the latest updates, announcements and product enhancements throughout the year.