

Which weather station should I use in a school so the display doesn't need to be handed between classes?

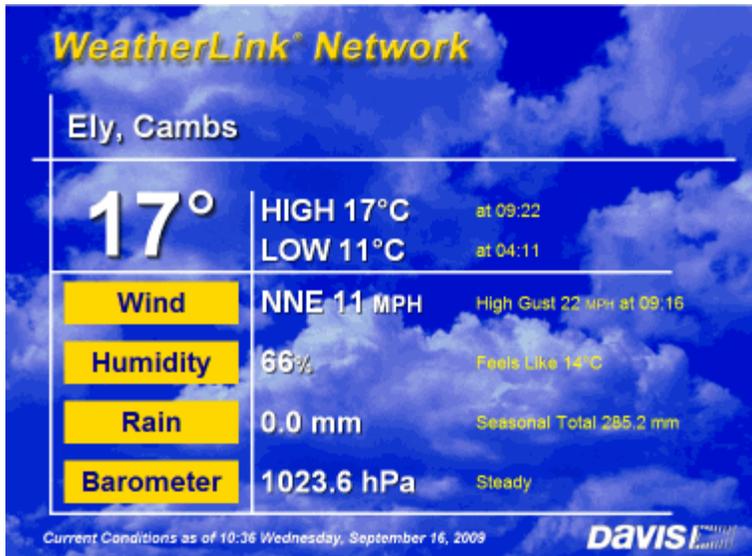
The Problem

Weather stations at Schools are becoming a popular commodity and are used by students for both educational purposes and for interest purposes. They allow the students to view a variety of weather parameters and help to spark interest in the world that surrounds them. You want a station that will enable students to view the current parameters on a computer or tablet so that you can share the data around the School without the need to have the display passed around the School. So which option is right for you?

The Solution

The Davis [IC6250AU](#) or the [IC6163AU](#) Weather Stations with the [WeatherlinkIP Software](#) package are the perfect setups for these requirements. These setups feature a robust outdoor sensor suite; the [IC6250AU](#) features sensors that measure rainfall, temperature, humidity, barometric pressure, wind speed and direction, whilst the [IC6163AU](#) will allow you to measure these along with Solar Radiation and UV. The advantage of the [IC6163AU](#) is that the wind speed and wind direction sensor can be mounted separately to the rest of the sensors meaning you can mount them at different heights if desired. It also features a fan aspirated radiation shield so if you are in an area of low air flow you will receive greater accuracy with regards to your temperature and humidity readings. The other key advantage is that it features a solar radiation and UV sensor which has become popular for sun safety.

The outdoor sensor suite then transmits wirelessly back to a console housed indoors (300m line of sight, ~100m through obstructions), the console will then display real time data and can also be used to recall some historical data. To the console the [WeatherlinkIP](#) dongle is connected and plugs in directly to a spare port on a broadband router as it features an Ethernet connection. This then uploads your information directly to the Weatherlink.com server and will allow for a summary page of your weather data to be accessed using your login and can be viewed on a webpage, or via an App for Apple or Android. An example of what the students would be able to view on the webpage is shown below:



This means that student's right around the school can gain access to a weather summary if they have access to a computer with the internet or a device that supports the App meaning the console will not need to be passed around the school in order to view data.

If you need assistance with selecting a weather station for your School please feel free to contact one of our friendly Scientists via [email](#) or phone on **1300 737 871**.

Recommended Products

Vantage Vue Wireless Weather Station with Weatherlink-IP - IC6250AU-IP



The Davis Vantage Vue Wireless weather station is a durable, accurate and compact option for weather enthusiasts. It measures and tracks 10 different weather variables at the same time. This package comes with the Weatherlink-IP software and Dongle.

Davis Wireless Vantage Pro2 Plus with 24-Hr Fan Aspirated Radiation Shield – IC6163AU



First and only weather station in its class to use frequency hopping spread spectrum radio technology to transmit weather data wirelessly up to 1000' (300 m). Includes Vantage Pro2 console/receiver, integrated sensor suite (ISS), and mounting hardware. ISS includes rain collector, temperature and humidity sensors, anemometer, 40' (12 m) anemometer cable, solar radiation sensor, UV sensor, sensor mounting shelf, and solar panel. Temperature and humidity sensors are enclosed in our patented, solar-powered, 24-hour fan-aspirated radiation shield. Shield combines fan aspiration and passive shielding to minimize the effects of solar radiation. ISS is solar powered. Electronic

components are housed in a weather-resistant shelter. Console may be powered using the included AC-power adapter or with three C batteries (not included). Wireless range is up to 1000' (300 m) outdoors, line of sight. Typical range through walls under most conditions is 200' to 400' (60 to 120 m).

WeatherLinkIP for Vantage Pro 2, Vantage Vue and Weather Envoy – IC6555



WeatherLinkIP™ is the new, simple way to post data from your Davis weather station directly to the Internet without a PC. Simply plug the data logger into the back of your Vantage Pro console, Vantage Pro2 console or Weather Envoy and your cable/DSL router. Within minutes, you'll be able to see your weather data live on the Internet! WeatherLinkIP lets you automatically upload data to third-party weather sites including CWOP (Citizen Weather Observer Program), the GLOBE Program and can send e-mail alerts of current weather conditions or simple alarm conditions. It also allows you to download the data to your PC for all the powerful charting, graphing, and analysis as our standard WeatherLink.