



What will be the weather like tomorrow?

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Since June 2010, our school is part of the network “météo à l'école”: it hosts an autonomous weather station, approved by Météo France, which measures continuously the temperature and precipitation. The data is transmitted by a GSM module to a computer server. After its validation by Météo France, it is sent online every day on a public accessible website : <http://www.edumeteo.org/>

The MPS Education (Scientific Methods and Practices) in junior high school classes (one hour and half per week throughout the school year) makes full use of data from the networks “météo à l'école” data and Météo France. Three scientific disciplines ; Mathematics, Life and Earth Sciences, Physical Sciences and Chemistry are part of a schedule defined after consultation and educational coherence to enable students to:

- Discovering and understanding the operation of the sensors station, weather satellites ...
- Operating satellite images, studying of the atmosphere and weather phenomena (formation of a storm, for example)
- Operating collected data (networks 'météo à l'école' and Météo France) to identify climatic differences between regions, seasons, and their effects on living beings (study of the greenhouse effect and climate warming among others).

The ultimate goal is to discover used tools and data to produce a weather forecast.

We work for these purposes with the Cité de l'Espace in Toulouse (weather Pole) and the head forecaster Meteo France Merignac.