

Weather Activity for Primary Schools

What you are going to do

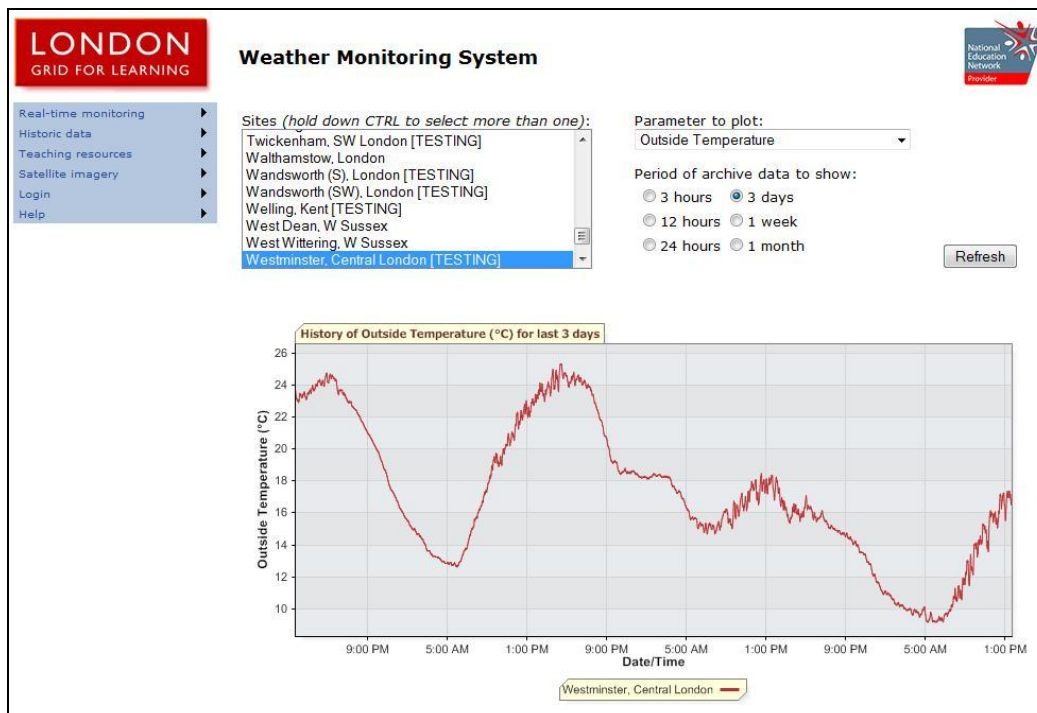
In this activity you are going to

- Look at some online graphs of temperature and solar radiation
- Examine how temperature and solar radiation change during the day

Getting the Weather Station Data

- Go to the website: www.weather.lgfl.net
- Click on **Historic Data** and click on **Graphs** from the drop down menu
- From the **Sites** box select your local weather station
- From the **Parameter** box select **Outside Temperature**
- Select the button from the **Period of archive data to show** section to show **3 days**
- Click **Refresh** so that the data you want is displayed in the graph on your screen
- Write down the times on each day when the temperature reaches its maximum

Your screen should now look something like this



- Repeat this activity, but this time make a graph of **Solar Radiation** by selecting **Solar Radiation** in the **parameter to plot box**.

Questions

- Is there a difference in the times that both solar radiation, and temperature, reach their maximum values on the days that you have looked at?
- If so, why is this?