

Solarschools School energy monitoring

Solar energy data for our school can be found on the 'solarschools' website <http://www.solarschools.net/profile.aspx?id=1076>.

Use this data to answer the following questions.

1. When was the data last updated?

2. What was the temperature at this time?

3. Were there any clouds in the sky at this time?

4. How much electricity was being generated at this time?

5. At what time was the most electricity being generated today?

6. How much energy was generated yesterday?

7. On which day was the most energy generated in the last 7 days?

Since our school started monitoring our solar energy generation:

1. How much solar energy has been produced?

2. How many tonnes of carbon dioxide (CO₂) emissions have been saved?

3. On which day was the most solar energy produced?

4. In which month was the most solar energy produced? Why do you think this is so?

Explore the rest of the solarschools website to discover:

1. Since the solarschools website began, how many tonnes of carbon dioxide (CO₂) have ALL the schools on the solarschools website saved from being released into the atmosphere?

2. This amount of carbon dioxide is equivalent to how many cars driving for one year?

3. Compare the amount of solar energy generated by our school and 2 other schools, in different states or countries, in the last week.