

1. Around the MetLink world in 80 clicks

Open the map of MetLink schools <http://atschool.eduweb.co.uk/radgeog/metlink/2001/world.html>
Explore the map and click on the red blobs which show live weather data.

2. Hot and cold!

What is the current temperature at the MetLink locations listed below:

- 1. Spitzbergen, Norway deg C/f?
- 2. Vora (Vaasa), Finland deg C/f?
- 3. Malta deg C/f?
- 4. Hilton, South Africa deg C/f?
- 5. Southmoor, Australia deg C/f?
- 6. Leilehua, Hawaii deg C/f?
- 7. Keio, Japan deg C/f?
- 8. Bombay America School, India deg C/f?
- 9. Nairobi, Kenya deg C/f?
- 10. London, UK deg C/f?
- 11. James Gibbons, Canada deg C/f?
- 12. Antarcticadeg C/f?

Mark these places on a world map (below) with their current temperatures.



3. Same latitude, different temperature?

The following pairs of MetLink schools are at approximately the same latitude. Find the temperature of three of the pairs. Try to explain the differences.

1. Latitude ? St Johns, Canada deg? and London UK deg?
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2. Latitude ? Addis Ababa, Ethiopia deg? and Saipan, Marianas deg?
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3. Latitude ? Pasadena, US deg? and Evora, Portugal deg?
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4. Latitude ? Moses Lake, US deg? and Carmen Sylva, Romania deg?
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5. Latitude ? Leman, Switzerland deg? and James Gibbons, Canada deg?
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4. My dream holiday location today!

Explore the world MetLink map looking at weather, satellite images and weather cams. Decide where you would like to go on holiday today.

Write brief **reasons** for your choice. Try to find out a bit more about your chosen holiday location by visiting the school website or by searching the internet.

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Prepare a short illustrated talk for Class with pictures, maps and other information.

MetLink

Your name..... Class

5. Same country, different temperature!

Find the temperature at **three** of the following pairs of places which are in the same country .
Suggest possible reasons for the differences.

1. Spain: Madrid deg C/f? and Tarragonadeg C/f?

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2. India: Springdaledeg C/f? and Bombaydeg C/f?

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3. USA: Pasadenadeg C/f? and Township of Ocean?

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4. Australia: Trinity? and Southmoordeg C/f?

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5. Canada: James Gibbonsdeg C/f? and St John'sdeg C/f?

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6. UK Temperature pairs.

Study the UK satellite image and the live weather data (red blobs)

Find the temperature for **three** of following pairs of places and suggest **reasons** for the difference

1. George Watsons, Edinburgh deg C/f and Sandwich, Kent deg C/f

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2. St Theresa's, Ireland deg C/f and Hermitage, Durham deg C/f

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3. Collier, Reading deg C/f and Coed Cae, Gwent deg C/f

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4. Parc Eglos, Cornwall deg C/f and Wells, Norfolk deg C/f

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Try this exercise for your own country if you don't live in the UK or Ireland.

Compare places in the north or south, west or east, coastal or inland, high or low.

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7. Check the weathercam?

Check the weather cam pictures for **three** of following places. Write a description of what the weather looks like (hot/cold, wet/dry, settled/changeable, clear/cloudy, windy/calm). It may be night time in some places. Check the current weather reports for each location. Were you correct?

1. Capetown, South Africa

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2. Keio, Japan

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3. London, UK

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4. Bor, Sweden

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5. St John's, Canada

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6. Bozen, Italy

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7. Lemman, Switzerland

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8. Leilehua, Hawaii

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9. Pasadena, USA

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10. Saipan, Marianas, Pacific

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8. What time is it?

What time is it now in your home location am or pm? Latitudew/e

What is the local time, date and latitude at **three** of the following places:

- 1. Leilehua, Hawaii am or pm? Date Longitudew/e
- 2. James Gibbons, Canada am or pm? Date Longitudew/e
- 3. Moses Lake, USA am or pm? Date Longitudew/e
- 4. Pasadena, USA am or pm? Date Longitudew/e
- 5. Puerto Vallarta, Mexico am or pm? Date Longitudew/e
- 6. London, UK am or pm? Date Longitudew/e
- 7. Bor, Sweden am or pm? Date Longitudew/e
- 8. Vora, Finland am or pm? Date Longitudew/e
- 9. Geneva, Switzerland am or pm? Date Longitudew/e
- 10. Prague, Czech Republic am or pm? Date Longitudew/e
- 11. Saipan, Marianas, Pacific am or pm? Date Longitudew/e
- 12. Southmoor, Australia am or pm? Date Longitudew/e

What general law applies to time in relationship to longitude?

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What is the time difference for every 15 degrees of longitude?

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What is your local time now am/pm What time is it 60 degrees to the west am/pm?

What time is it at a place 75 degrees to the east am/pm?

9. Where is it sunny, snowing or raining today?



Use the world map to plot 3 different symbols to show which MetLink locations are experiencing sunshine, snow or rain today. Check the latest satellite or radar image for confirmation.

10. My weather forecast

Study the latest radar and satellite images and then forecast the weather for the next 6 hours at **one** of the following locations. You may need to visit alternative websites on the world map.

- 1. radar || satellite: Moses Lake, Washington, USA || weather chart
- 2. radar || satellite: Jyvasylan, Finland || weather chart
- 3. radar || satellite: Dragon School, Oxford, UK || weather chart
- 4. radar || satellite: Prague, Czech Republic || weather chart
- 5. radar || satellite: St Johns, Canada || weather chart
- 6. radar || satellite: Southmoor, Australia || weather chart
- 7. radar || satellite: Keio, Japan || weather chart
- 8. radar || satellite: Strasbourg, France || weather chart
- 9. radar || satellite: Leman, Switzerland || weather chart
- 10. radar || satellite: Bozen, Italy || weather chart
- 11. radar || satellite: Saipan, Marianas, Pacific || weather chart

My place is

My weather forecast is (read your forecast to the rest of the class?):

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Check the weather charts and weather recordings to see if you are correct.
See also the UK Met Office forecast page

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Your name..... Class

11. Live weather data

Study the weather graphs for the last 24 hours at:

- 1. Reading or Cambridge UK **or** 2. CCC Maryland, USA **or** 3. Spitzbergen Norway

Write a brief explanation of the variations in temperature, pressure, wind speed, and wind direction over the last 24 hours for **one** of the weather stations.

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Highest and lowest

Which of the **three** weather stations recorded the highest and lowest figures?

- The highest temperature deg C/f at
- The lowest temperature deg C/f at
- The greatest wind speed kph/mph at
- The highest pressure mb/Hg ins at
- The lowest pressuremb/Hg ins at

12. Global weather watch

Study the global weather situation using: Meteo-France; SSEC; UK Met Office

Can you identify any potential weather stories eg depressions, gales or heatwaves?

Write a brief reprot: **My weather story in the news**

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Check NOAA hot news to see if they have covered your story as a Significant Event.

