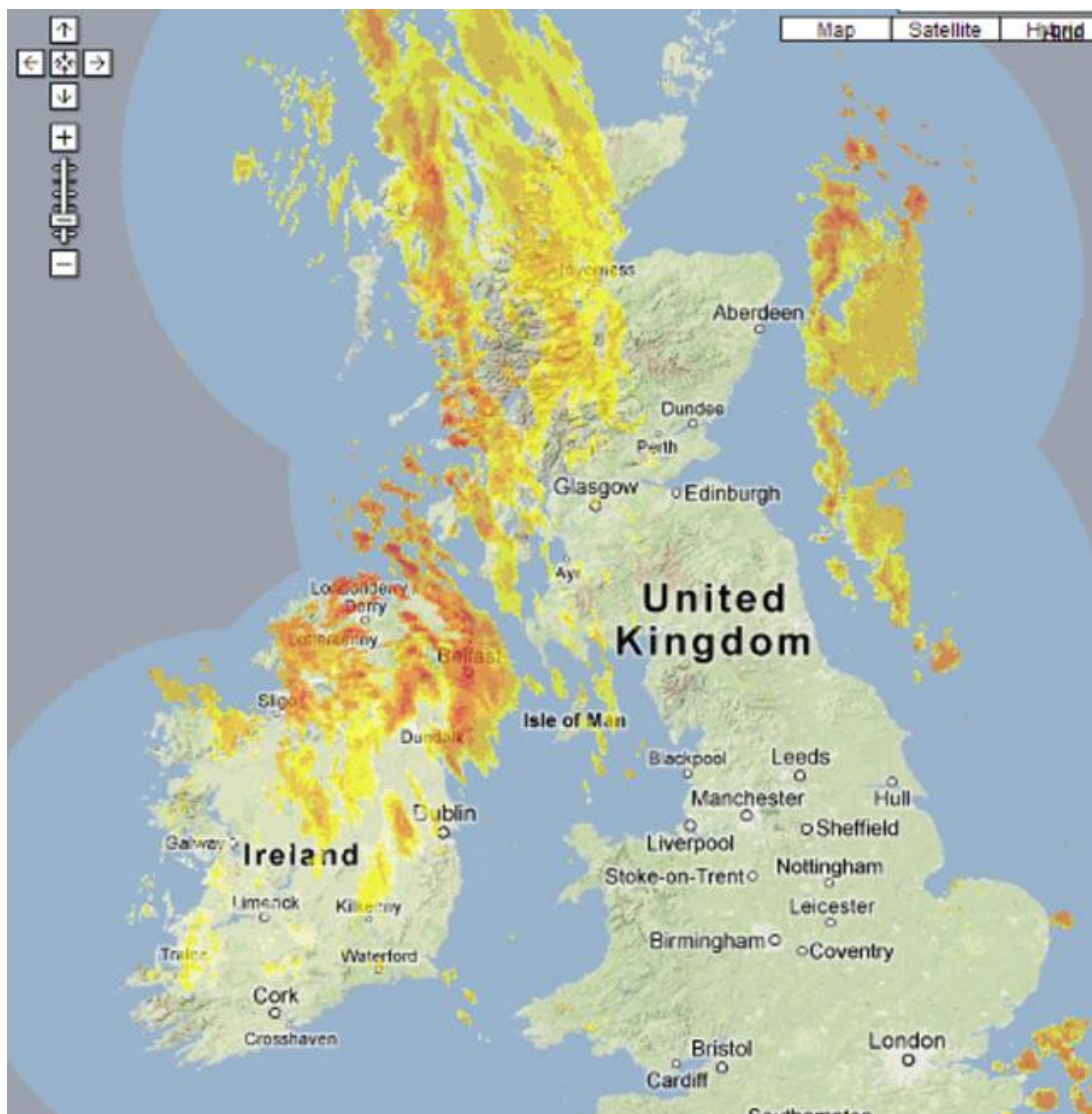


# COME RAIN OR SHINE

## Week 1: Investigating teaching resources

If you're a teacher, or perhaps just interested in learning more, there are several useful links which will be of interest.

If you'd like access some of the images you have seen in the course so far you can find current and forecast weather charts on the [Met Office website](#). Or if you want to view archived Met Office charts (even yesterday's), you can find them on websites [2.wetter3](#) and [Wetterzentrale](#).



© [RainToday?](#)

Radar sites such as [RainToday?](#), which show images of current rainfall, are a brilliant resource for introducing the concept of forecasting. Typically, such sites show current rainfall and how it has evolved over the past few hours. You get a feel for how fast it is moving and that, to be able to predict where it will be raining in an hour's time, you need to know both where it is raining now and how it has been changing. Ask students to predict when it will start/ stop raining in your location.

Current (and archived) global lightning strikes can be found at [Blitzortung](#). It's worth switching the sound on, and looking at it when there is a storm going on near you.

Current surface winds can be seen on [earth.nullschool.net](#), which is a lovely site for looking both at current tropical and mid-latitude storms, and the general circulation of the atmosphere.



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Satellite images can be viewed on the [Dundee Satellite Receiving Station website](#) (free registration is required). You can see a complete archive of images, but they also have a good section with case studies to save you having to look.

## Recommended online teaching resources

We've listed some online resources below specifically for teaching, but there are many more on the School's website MetLink, particularly on the [useful links](#) page.

- MetLink offers [top 10 ideas](#) on how to make weather lessons engaging.

### UK Weather Systems

- [DigGeog](#) is an informative blog, helping to bring geography into the classroom. We recommend to use the site search engine to look for 'depressions google earth' and 'weather forecasting updates'.
- Hwb produce a nice [lesson](#) about UK weather for key stage 3 geography.
- A series of useful GCSE lesson plans on the [weather system](#) are made available for download on MetLink.
- You can find a number of practical worksheets available for download [here](#) and [here](#).

The British Antarctic Survey's Discovering Antarctica website has a useful section on weather balloon launches through fronts.

## Week 2: Investigating teaching resources

If you're a teacher, or perhaps just interested in learning more, there are several useful links which will be of interest.

### Fieldwork

- Find 10 top ideas for geography [fieldwork](#), to use in the classroom.

### Urban Heat Islands

- MetLink presents some great links on their [key stage 3 page](#), if you are looking for information on urban heat islands.

### Anticyclones

- A downloadable [worksheet](#) on anticyclones, is available on [TES](#), a popular teaching resource website. Free registration is required.
- MetLink provide a popular lesson plan on [introducing anticyclones, depressions and fronts](#).

### Types of Rainfall

- Cool Geography is a fun website that produces GCSE level and further education resources material, and is useful for learning about [types of precipitation](#).

## Air Masses

- MetLink supplies studies on air mass at [Key Stage 4 level](#), complete with [downloadable worksheets](#) as well as an [Air Masses Human Board Game](#).
- An excellent video on [Youtube](#) explaining how weather fronts create British weather.

# Week 3: Investigating teaching resources

If you're a teacher, or perhaps just interested in learning more, there are several useful links which will be of interest.

## Hurricanes

- MetLink provides an extensive list on their [useful links](#) page, if you are looking for information on tropical climates and hurricanes.

## El Niño

- Science website [NOAA Research](#) provides useful background about El Niño.
- An informative video by the [BBC](#) explaining El Niño.
- Check the [Met Office](#) to keep up to date with the current state of El Niño.
- Want to do a practical demonstration? [Make your own El Niño](#) with this fun exercise.

## GIS for weather

- An interesting and useful read about hurricane tracks, can be found [here](#).
- Information about extreme temperatures can be found [here](#).

## Climate Change

- MetLink offers [climate change updates](#) for A level geography as well as resources for teaching [climate change over the past 2.6 million years](#).
- Climate Change Schools Project resources, for teaching climate change at all levels from KS1 – A level are now available on [MetLink](#).
- [Your climate, your life](#) is a great website developed by Royal Geographical Society with IBG, which supports KS3 geography and citizenship curriculum, and links to GCSE and A Level.
- [Hwb](#) is a government led scheme in Wales, which brings digital learning to pupils. Click [here](#) and [here](#) to see their fun interactive lessons on climate change.