



### KEY FOCUS: Geography

Our geography this term will focus on mapping, symbols, keys, grid reference and compass points. We will focus on the area around our residential for field work to observe, measure, record and present. We will learn the basics of navigation – position, location & scale. Our global focus will be the distribution of natural minerals and energy – looking at renewable energies, cause and effect of global warming and climate change.

### USEFUL WEBSITES:

Try these useful websites for this topic:

#### Mapping

Compass:[http://www.bbc.co.uk/education/clips/z9k7tfrdistance:](http://www.bbc.co.uk/education/clips/z9k7tfrdistance)  
<http://www.bbc.co.uk/education/clips/z3rd2hv>

#### Why renewable energy?

<http://mapzone.ordnancesurvey.co.uk/mapzone/Pages/HomeworkHelp/resources/index.htm>  
<http://www.darvill.clara.net/altenerg/index.htm>  
<http://www.guardian.co.uk/environment/renewableenergy>

### VISITS OR VISITORS:

Our residential will be our major visit for the term but we also plan to invite a visitor from the kitchens to talk about health & safety relating to micro-organisms when cooking and storing foods.

### KEY FOCUS: Science

Our science this term looks at the classification of animals, plants & micro-organisms - Fungi, Bacteria & Viruses. We will undertake our own investigations and observe what happens when we grow micro-organisms – health and safety will be key here!

### SYCAMORE CLASS Y5 TERM 1 2016

## THIS TERM OUR TOPIC IS: INTO THE FUTURE

### CROSS-CURRICULAR LINKS:

**IT** : Google maps to explore scale and distance; branching data bases using PPT with hyperlinks; publisher to present information from internet research.

**PSHE**: rules, cooperation – team work, citizenship – taking care of our environment including recycling and pollution, green future pledges and carbon footprint.

**Music**: song writing – green eco song.

### KEY FOCUS: Literacy

We will start this term with a focus on poetry about our environment. This will be followed by a diary recount of our Longridge trip. Next we will write an explanation text based on recycling and on power sources - wind, solar, wave, hydro-electric, nuclear, bio-fuels and geothermal renewable energy sources.

### HOMEWORK PROJECT DETAILS:

Due date: Monday 17<sup>th</sup> October 2016

Create your own renewable energy farm! Which form of energy will you choose – a wave farm in the sea? Hydro-electric power in the mountains? A wind farm or solar farm? Natural gas from land fill? Where would you locate it? Think about its' impact on the local area – persuade your audience of its merits. How does that form of energy work?

You could create a model of your renewable energy farm; a map to show why and where it is located; statistics relating to how much power is produced at what cost to the environment; a brochure to 'sell' the idea to the community.

Time expectation: 30 min per week

Length: 4 pages A5