

**Visits:**

Science workshop - light  
 Chinese New Year music workshop  
 Year 6 Junior Citizens@ Cowley Fire  
 Station

**Overview**

In this topic we will be looking at the consumption of renewable and non-renewable energy sources (fossil fuels) as well as the distribution of food & water resources amongst developed and developing world countries.

**Outcome**

Children use their knowledge gained during the topic to write individual letters about the fossil fuels, famine or drought to politicians or global corporations.

**Science:****Animals (including humans)**

identify and name the main parts of the human circulatory system, describe the functions of the heart, blood vessels and blood; recognise the impact of diet, exercise, drugs and lifestyle on the way bodies function; describe the ways in which nutrients and water are transported within animals,

**Light**

recognise that light appears to travel in straight lines; explain that objects are seen because they give out or reflect light into the eye; explain that we see things because light travels from light sources (via objects) to our eyes; explain why shadows have the same shape as the objects that cast them



**Brookside Primary School**

**Year 5/ 6 Curriculum Map**

**Spring Terms 3 and 4 2018**

**Topic: Planet Peril**

**Geography:**

Describe and understand key aspects of human geography, including: the distribution of natural resources including energy, food, minerals and water.

Locate the world's countries, (using maps, atlases, globes and digital/computer mapping) and describe features studied, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities

**Maths:****Number & place value:**

Use negative numbers in context; identify the value of each digit to three decimal places, multiply & divide numbers by up to four digits; solve multi-step problems; perform mental calculations including mixed operations and large numbers. Solve problems involving the conversion of measurements.

**Geometry:**

Draw 2-D shapes using given dimensions; describe & build 3-D shapes, making nets; compare & classify shapes based on their properties; find unknown angles in triangles, quadrilaterals, and regular polygons; recognise angles where they meet at a point, find missing angles, position and translation.

**Algebra:**

Use simple formulae: generate and describe number sequences: express missing number problems algebraically; find pairs of numbers that satisfy an equation (Year 6)

**Statistics:**

Interpret and construct pie charts and line graphs; connect work on angles and percentages to pie charts, finding the mean.

**Ratio and Proportion:**

Solve problems involving the relative sizes of two quantities; solve problems involving shapes where the scale factor is known or can be found; solve problems involving unequal sharing using fractions and multiples (Year 6)

**D&T:** Constructing a device that utilises natural energy

**Computing:** Design, write & debug programmes using SCRATCH

**Art:** Architects of eco-houses; Famous painters:

(Lowry, industrial landscapes – drawing vanishing points)

**Music:** To create music for purpose: compose a soundscape

**PSCHE:** sportsmanship, maturity, listening, growth mind-sets

**R.E:** Passover celebration

**P.E:** basketball, swimming (term4 only),

**French:** Days, months, seasons, weather, parts of the body, sports & hobbies

**Literacy:  
Reading**

Distinguishing between statements of fact & opinion; retrieve, record & present information from non-fiction; using synonyms to explore shades of meaning; participate in discussions about books.

**Writing:**

Suspense story-poetry, explanation writing (how things work), storytelling narrative, discussion text (dragons), report writing (Passover)