

Scientific and Technological Understanding

- Investigate how we use energy in everyday life.
- Explore different ways that energy can be created.
- Consider how to make the most effective use of renewable energy.
- Design, construct and represent a working circuit
- Plan and explain how a town could make the most effective use of renewable energy in the future

Outcomes

Understand how to make and use circuits
 Awareness of our energy consumption and how it can be changed

Understand and be able to explain the process of how energy is created.

Show how to be safe when using electricity.



Historical, Geographical and Social Understanding

- Research how climate affects our way of life
- Listen and respond to different points of view, consider evidence and develop own opinions
- Consider the power and potential of individuals, communities and leaders to make changes to help the planet



Outcomes

Understanding of climate change and the arguments for and against why and how we should stop it

Understand and be able to explain the process of climate change, its causes and consequences from a personal, local and global perspective



Power to the People

This term we will be thinking about how we get and use energy, the impact of our energy use on the environment, and the power we have to make positive choices and create change.

Understanding the Arts

- Using paints and pens to explore line and colour
- Developing skills in textiles: weaving, stitching, knitting using multimedia materials

Outcomes:

To become familiar with how to blend colours and make a variety of marks

Contribution to large-scale Thames tapestry - 'Canary Wharf'
 Visit to 30th floor 'Clifford Chance' - date to be confirmed

Understanding English, Communication, and Languages

- Use skimming and scanning skills to read for information
- Take clear and concise notes
- Understand how purpose and audience effect the way we use language
- Recognise, describe and apply the features of persuasive communication in both speech and writing
- Use formal language to communicate with people outside of our school
- Plan, draft and review a piece of persuasive writing
- Publish writing using word-processing skills and use email to communicate with others
- Use language and layout to share information with an audience

Outcomes:

To recognise and use formal and persuasive language
 To read to inform themselves, and write to inform others

Events!

Science Museum Monday 17.01.11
 Soanes Centre
 Ocean Maths Parents w/shop
 02.02.11
 Parents' Afternoon 2.30 on 17.02.11
 Ribbon Dancing show / workshop
 Friday 18.02.11 to celebrate Chinese New Year



Understanding Physical Development, Health and Wellbeing

- Building throwing, catching and teamwork skills in Netball
- Developing strength, flexibility, control and calm through yoga
- Learning relaxation techniques

Outcomes:

Increased fitness, co-ordination, confidence & grace!
 Children will have a tool-kit of techniques they can use to stay calm and happy

Mathematical Understanding

- **Number and PV** - Fractions, decimals and percentages.
Outcome: to understand equivalence, ordering of fractions and relationship to factors.
- **Operations** - Solving addition and subtraction word problems and using calculator; missing numbers; inverse to check; brackets.
Outcome: to apply skills in practical contexts.
- **Data Handling** - Data collection, grouping and recording.
Outcome: to understand the representation, use, and interpretation of Venn and Carroll diagrams.
- **Data Handling** - Selecting scales and appropriate representation.
Outcome: be able to construct bar charts and line graphs with discreet and continuous data.