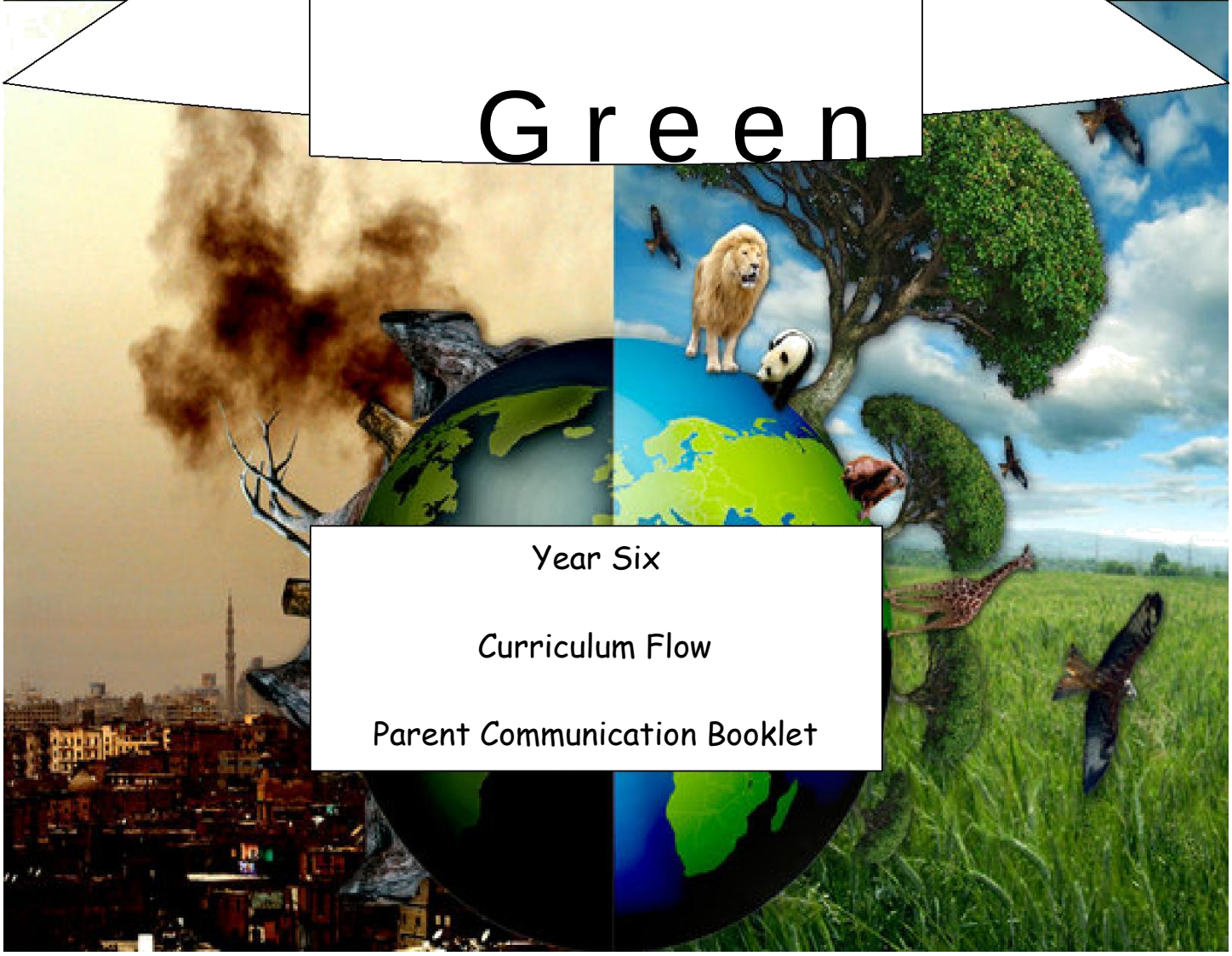
Keen To Be Green



Year Six

Curriculum Flow

Parent Communication Booklet

The curriculum flow for the Spring Term focuses on the topical issues surrounding the title 'Keen to be Green'. Broadly speaking, the children will look at world concerns of global warming, climate change, green issues & eco-footprints. They will use the WEEE Man sculpture as a stimulus, try the Good Life, consider food miles, and then become Planet Protectors by recycling & spreading the green message!

Please take your time to read the information about your child's intended learning and look at the ways you can help your child at home. At the end of the curriculum flow you will be invited into school to share your child's learning and work with them.

Curriculum Area	Intended Overview	How you can help your child at home…
Literacy	Throughout the curriculum flow the children will look at the 'Green' issues in the media and investigate all the journalistic feature necessary to write their own newspaper article as a roving green reporter. They can interview people and witnesses. They use publishing software. Children can also respond to other articles with 'Letters to the Editor'. The class can work towards the goal of producing an Eco-Supplement to ensure people 'get a grip on global warming; The children will also look at persuasive writing and present a written paper on the effects of climate change in letters and reports. Children will also produce a balanced argument on the use of GM crops and investigate deforestation. They will be able to identify persuasive features in letters & write their own persuasive letter. They will investigate passive sentences, topic sentences, paragraphs, emotive vocabulary & spelling strategies. They will analyse & write a persuasive speech & give at a debate. The children will also look at iconic song lyrics! They will explore underlying themes & influences in key songs by the Beetles & Bob Dylan before composing their own song lyrics about current issues that are important to them	Encourage your child to read a range of genres and discuss with them the word choices used by authors for effect and the use of punctuation for effect. Encourage your child to collect clipping and articles form newspapers and magazine on 'Green Issues' to add to our classroom display. Ask your child to infer and deduce characters thoughts and feeling from a text and encourage them to give evidence to support their ideas.
Numeracy	Calculate the perimeter of simple compound shapes that can be split into rectangles Calculate the area of simple compound shapes that can be split into rectangles Describe, identify and visualise parallel and perpendicular edges or faces Use the properties of 2D and 3D shapes to classify 2-D shapes and 3-D solids Visualise 3-D shapes from 2-D drawings and identify different nets for a closed cube Use Venn and Carroll diagrams to show information about shapes Sort and classify quadrilaterals using criteria such as parallel sides, equal sides, equal angles and lines of symmetry Make and draw shapes with increasing accuracy Estimate angles and use a protractor to measure these Draw angles, using a protractor, on their own and in shapes Calculate angles on a straight line, in a triangle or around a point Revise finding fractions of shapes Change an improper fraction to a mixed number, e.g. 33/8 to 4 1/8 Recognise equivalence between fractions e.g. between 1/16s, 1/8s, 1/4s and 1/2s; and between 1/100s, 1/10s and 1/2s Reduce a fraction to its simplest form Relate finding fractions to division and use them as operators to find fractions including several tenths and hundredths of quantities Understand percentage as the number of parts in every 100, and	Encourage your child to complete their torture tables every night. Support them in developing mental calculation strategies Support them in reading, writing and ordering numbers with 7 digits and numbers with 3 decimal places. Help them develop an understanding of negative numbers in context – for example differences in temperatures Encourage the children to find fractions and percentages of amounts. Use sale shopping as support. Encourage the children to help you with cooking to improve their measuring techniques and they can also apply their ratio and proportion strategies to scaling recipes up and down.

	express halves, quarters, tenths and hundredths as percentages Find simple percentages of whole number quantities e.g. 10%, 20%, 40% and 80 % by doubling, and 25% by finding a quarter Revise using ratio and proportion to describe the relationship between quantities, e.g. 3 red beads for every 2 blue beads, 3 out of every 5 beads are red Solve simple problems involving direct proportion by scaling quantities up or down	
Science	Children launch a gardening project and learn about optimum growing conditions for vegetables. Children become veg detectives and practise their scientific skills. Children use various sources to investigate 'What's good about growing your own food?' Children carry out investigations into the optimum growing conditions for sprouting seed, focusing on the effects of light and controlling variables to create their own fair tests. Children investigate nutritional and health benefits of sprouting seeds by creating menus, promotional leaflets and posters. Children investigate why gardeners use fertilisers – linked to gardener's problem page. Children explore organic gardening. Through investigation children explore the function of roots and other plant parts. Using knowledge form investigations children plant their own beds in the allotment. Children record progress in a journal and through use of ICT and time capturing. Introduce life cycle of a flowering plant. Children investigate good microbes and bad microbes linked to composting. Children investigation best conditions for composting	Allow your child to look at the BBC KS2 Bitesize website on growing plants, micorobes and flowering plants. Discuss how plants are essential in everyday life. Ask your child to explain about the importance of plants. Create your own home compost or allow your child to grow seeds to make their own mini allotment which they can look after.
ICT	Children to look at spreadsheets and become meteorologists of weather data producing graphs and charts. They can produce their own weather reports using evidence for weather in the Year 2097 for radio using relevant ICT program and all spreadsheet data previously collected. Use publishing programmes to produce their news papers and eco supplement. Children produce a multimedia presentation to showcase their learning at a climate conference.	Listen to range of weather forecasts from a range of different media sources. Ask your child to explain how audacity and movie maker work. Encourage your child to think about the purpose and intended audience of a piece of work when applying their ICT skills.
Geography	Children look at Green issues reported in the media and discuss current issues. Children research Climate change and Global warming and the consequences of climate change. Children learn about the weather and the associated data. Consider the meaning of eco-footprint and children to calculate their own footprints. Evaluate data and discuss environmental impact of eco footprints. Children to discuss environmental impact of growing their own foods and investigate sustainability of organic crops. Children investigate landfill and the effects on the environment. They learn about the importance of recycling, reusing and reducing. Children look at impact of inventions of the past on the environment. Children investigate what other schools are doing to create a greener school. Children decide on pledges for the future and make products to sell with the message at the final presentation to the community.	Support your child by discussing Climate change and global warming issues and the possible consequences on society and the world. Encourage your child to calculate your eco footprint and develop strategies to reduce your eco footprint. Develop strategies with your child to further reduce household waste .
Art	Look at satellite images of the Earth and recreate using appropriate media. Create a collage the explore ideas of permanence and change through reflecting on footprints left behind. Children investigate how artists convey messages through their work and children consider and evaluate a range of paintings and sculpture that carry powerful messages. Children learn about the	Explore the wee-man sculpture. Look at a range of different paintings and artists work to discuss the messages conveyed through their work. Encourage them to explain why they think it conveys that message. Share

	sculptor of the Wee-man. .	your preferences and ask the children to do the same giving reasons for their thoughts.
D&T	Using the Wee – man as inspiration children are set the challenge of creating a Wee-monster raising the awareness of packaging waste – children complete the design process and investigate strength and fixing materials. They learn about armature to support their structure. Children unveil structure and design evaluation forms. Children investigate green design and decide on a problem and carry out research and produce designs – children learn to present designs to the Dragon's Den.	Investigate packaging waste with your child. Collect waste which can be used to create their Wee-man sculptures. Discuss how materials can be fixed together and the positives and negatives of different fixings. Encourage the children to evaluate the materials and fixtures used in everyday objects.
Music	Children listen to examples of messages through music. Listen to Michael Jackson's Earth Song and appraise it and listen to musical element. Children use the structure of McFly's song 'obviously' to create their environmental song – thinking about vocabulary and relevant word choices.	Listen to a range of songs. Encourage the children to explain musical elements such as tempo, timbre, pitch, dynamics and the use of chords. Encourage the children to recognise these when listening and appreciating music. Discuss the vocabulary used in songs and how important mood and word choices are to create impact in relation to a message.
PE	Discrete Units: Indoor: Dance – using the theme of the environment and Graffiti as a stimulus to develop movements and motifs Outdoor – Striking and Fielding Games	Encourage your child to explain the intentions and outcomes of a warm up and call down and the physiological changes that occur during exercise. Ask them to name different parts of the human body – including, muscles, organs, bones. Encourage them to explain the purpose of the different parts. Ask them to analyse and explain dances using dance terminology
RE	Discrete Units: Sikhism in Britain. What is important to a Sikh in Britain today?	Ask the children to tell you about Sikhism in Britain.
PSHE	Discrete Units: Children will discuss the following topics: • Setting personal goals • Personal Finance • Good to Be Me!	Discuss with your child what their personal goals are in the short term, medium term and long term. Discuss how you can support them achieve their goals. Allow children opportunities to take responsibility for their own meaning. Model and discuss how to manage it. Discuss the problems and consequences of mis-managing money. Discuss what your child thinks is special about them.