

Primary Curriculum Planning Overview & Contents



Curriculum Planning with Sustainable Travel links for Primary Schools, June 2015

This curriculum guidance has been designed by the Hampshire County Council's Schools Travel Planning Team in conjunction with Hampshire primary school teachers.

Its aim is to provide an easily accessible series of lessons and ideas which aid with the integration of sustainable and active travel education into the primary school curriculum. Many lessons are complete and include all relevant planning and support materials, linked to the new National Curriculum. Others are designed to give ideas to act as a stimulus for activities and learning.

This overview is designed to enable teachers to see at a glance what has been included and where it fits into the curriculum.

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Additional documentation in overview folder:

- Websites to support sustainable travel in primary schools
- Organisations providing support on citizenship and sustainability

Please note:

- *These lessons have been created using the New Curriculum Objectives and all links to websites were working at that time. Teachers are strongly advised to check links before use and to adapt the material to suit their needs.*
- *Many of the lessons would suit timetabling during scooter/cycle training or environmental awareness weeks.*
- *Any assessment levels are for guidance only and should be adapted to individual school assessment protocol.*

Art Design Technology

English Geography



Subject		Curriculum	Sustainable Travel link	Document created
Art & Design	Foundation stage	Being imaginative	Painting pictures of vehicles and tyre tracks around school. Using the colours that people who keep us safe wear	Lesson plan
	KS1	Developing techniques	Investigating materials to use for clothing or shoes suitable for cycling or scooting (QCA 1B)	Lesson summary and links to QCA / Sustainable Travel
	KS2	Artists and designers	Investigating pattern including tyre tracks, cycle clothing, road markings, sports shoes (QCA 3B); Journeys – communicating ideas through signs and symbols on a journey (QCA 4c)	Lesson summary and links to QCA / Sustainable Travel

Subject		Curriculum	Sustainable Travel link	Document created
Design Technology	Foundation stage	Exploring and using media and materials	Experimenting with media and materials to create models of different types of vehicles	Lesson plan
	KS1	Design, make, evaluate	Designing skateboards/scooter using a variety of wheels, axles and a chassis (QCA 2A)	Lesson summary and links to QCA / Sustainable Travel
	KS2	Design, make, evaluate	Experimenting with components when designing a controllable vehicle. Adapt vehicle to be energy-smart (QCA 6D)	Lesson summary and links to QCA / Sustainable Travel

Subject		Curriculum	Sustainable Travel link	Document created
English	Foundation stage	Speaking and listening	Talking about journeys to and from school	Lesson plans
		Reading	Interpreting road signs	Lesson plans
		Writing	Labelling bikes, scooters and other vehicles in their environment by matching the correct label to the appropriate part	Lesson plans
	KS1 & KS2	Reading	Reading lists for non-fiction and fiction books covering environmental issues	List of books and descriptions
		On-line resources	On-line English resources	List of websites and descriptions
		Debate Drama Presentation Writing	Discussion & debate: "Children should walk to school every day" Drama: Passenger Power Presentation skills: Which way to school? Fact book: The Environmental Impact of How I Travel to School Persuasive letter writing: Pedestrian safety at my school gates Diary writing: journeys to school or on holiday, now and in the past	Activity ideas with some full lesson plans

Subject		Curriculum	Sustainable Travel link	Document created
Geography	Foundation stage	Communities	Comparing and contrasting streets and roads seen on the journey to school	Lesson plan
	KS1	Location and place knowledge	Identifying human features: city, town, village, factory, farm, house, office, port, harbour and consider the best means of transport to link them	Lesson plan
		Skills and fieldwork	Visiting the local environment to carry out traffic surveys (links to ICT and maths)	Lesson plan
	KS2	Location and place knowledge	Thinking about how human and physical features impact on the transport used	Lesson plan
		Skills and fieldwork	Impact of human and physical features on data collection and field work	Lesson plan



Subject		Curriculum	Sustainable Travel link	Document created
History	Foundation stage	Events in their own lives	Discussing how we learn to crawl, walk, scoot and cycle	Lesson plan
	KS1 and KS2	Events beyond living memory	Considering the impact of key people and events in history such as Christopher Columbus, explorer and James Starley, inventor of the Penny Farthing	New curriculum objectives and ST links

Subject		Curriculum	Sustainable Travel link	Document created
ICT	Foundation stage	Using technology for purposes	Using cameras to take pictures of each other on scooters and cycles.	Lesson plan
	KS1	Creating, storing and retrieving data	Activity suggestions such as using pedometers & Roma, thinking about suitable routes using on-line mapping tools, collecting and analysing data, asking questions such as does the time of day affect how far we walk?	New curriculum objectives and ST links
	KS2	Collecting, analysing and evaluating data		New curriculum objectives and ST links

Subject		Curriculum	Sustainable Travel link	Document created
Maths	Foundation stage	Shapes, spaces and measures	2D shapes in vehicles Using trikes & scooters Counting laps round the playground	Lesson plans
	KS1 Years 1/2	Measures	Measuring and planning playground space	Lesson plans
		Position and direction	Moving themselves, others and programmable devices left and right, forward and backwards	Lesson plans
	Lower KS2 Years 3/4	Data handling	Pictograms, bar graphs, tally charts. Use of scale. Converting tally charts to bar charts	Lesson plans
		Measurement	Measuring how fast you can travel - ride, scoot, walk - in a given time. Playground length, perimeter & area measurement. Playground planning project (layout, pricing, budget, special offers)	Lesson plans
		Position and direction	Investigating angles including right angles, experimenting with turns (90°, 180°, 270°, 360°, ¼, ½, ¾ and whole), positions (left, right, forwards and backwards) and lines (horizontal, vertical, diagonal, perpendicular and parallel) in various contexts	Lesson plans
	Upper KS2 Years 5/6	Statistics	Interpreting line graphs; completing, reading and interpreting information on timetables including bus and rail timetables; representation of data, surveying, data collection and presentation; making connections between data and coordinates, scales and graphs	Lesson plans

Subject		Curriculum	Sustainable Travel link	Document created
PE	Foundation stage	Control and co-ordination	Using cycles and scooters in outdoor areas. Turning, stopping and following a simple route	Included in all other lessons
	KS1 and KS2	Develop balance, agility and co-ordination. Participate in outdoor and adventurous activity	Hampshire County Council initiatives (such as scooter and cycle training); Setting stamina challenges for walking and running (Milestones Club, Stepping Out & Route Running) – links to Healthy Schools projects and WOW initiatives; PE & physical activity across the curriculum; General activity suggestions; Playtime suggestions	Activity ideas

PSHE Science



Subject		Curriculum Unit	Sustainable Travel link	Document created
PSHE	KS1 and KS2	Health and well being Living in the wider world	Susie the Childminder emergency situation books Promoting active travel whatever the weather Road Safety PowerPoint and activities Considering and researching moral questions Transition to secondary school workbook Transition to secondary school unit of work Just a Journey multimedia resource List of suggested websites and on-line resources	Activity ideas

Subject		Curriculum Unit	Sustainable Travel link	Document created
Science	Foundation Stage	Places	Talking about the journey to school and what they notice when they drive compared to walking, scooting or cycling Keeping safe by being visible	Lesson plan
	KS1 Years 1/2	Working scientifically	Investigating the benefits that exercise has on us	Lesson plan
		Everyday materials	Investigating the properties of materials used in scooters and cycles, in particular bike saddles	Lesson plan
		Seasonal changes	Considering the question: How does the weather affect the way we travel?	Lesson plan
	Lower KS2 Years 3/4	Electricity	Constructing a simple circuit to light up a bike	Lesson plan
		Forces and magnets	Comparing how things move on different surfaces Observing and recording magnetism in everyday objects	Lesson plan
		Working scientifically: Speed and distance	Experimenting how far and fast different wheels and axles will enable a toy car to travel	Lesson plan
	Upper KS2 Years 5/6	Working scientifically	Investigating the benefits that exercise has on us	Lesson plan
		Materials	Testing the suitability of materials used in scooter and cycle helmets	Lesson plan
		Earth and Space	Using the idea that the Earth's rotation explains day and night, how does this affect travel choices?	Lesson plan

To receive copies of all of this planning, please contact the Hampshire County Council School Travel Planning Team on:

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