



Key Stage 1 Brief Lesson Plans

The lesson plans below are relatively brief. A more detailed lesson plan is given in the Key Stage 1 and 2 power point plan. In addition, the more detailed lesson plans provided for Key Stage 2 children could be adapted for Key Stage 1. The Air Quality Experiments could also be done with Key Stage 1 pupils.

Subject Area and Theme	National Curriculum Links	Activity	Resources
Science Why is air pollution so bad?	Pupils should be taught to: find out about and describe the basic needs of animals, including humans, for survival (water, food and air)	<ul style="list-style-type: none"> • Show children the concept cartoon on p. 12 of the Friends of the Earth Clean Air Schools Pack. Use this to elicit a discussion and establish the children's base level of understanding. • Use the questions cards on p.16 of the Friends of the Earth Clean Air Schools Pack and ask the children to say whether they think the statement is true or false. • Using the information they have gathered during the discussion, ask the children to produce a poster or fact file, demonstrating their knowledge about clean air. 	Link to Friends of the Earth Clean Air Schools Pack
Mathematics How do we get to school?	Pupils should be taught to: interpret and construct simple pictograms, tally charts, block diagrams and simple tables ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity ask and answer questions about totalling and comparing categorical data.	<ul style="list-style-type: none"> • Explain to children that we want to find out more about how they travel to school and, in order to do this, they will be carrying out a survey. • Model to children how to use tally marks to collect data. • Children to complete their own traffic survey, collecting data from their classmates about how they travel to school. • Discuss the results, asking children to reflect on the most and least common modes of transport. • Using the data collected by the children, create a pictogram or bar chart to represent their findings. 	Tally chart proforma Clip boards

<p>English</p> <p>How can we reduce air pollution?</p>	<p>Pupils should be taught to:</p> <p>develop positive attitudes towards and stamina for writing by writing about real events and writing for different purposes</p> <p>use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas.</p>	<ul style="list-style-type: none"> • Ask children to discuss how they felt about the results of their traffic survey. Encourage the children to think about how more people could be encouraged to walk, scoot or cycle to school. Collect their ideas, making notes on the board. [Ideas might include: more bicycle/scooter storage, a walking bus, a lollypop man or woman for helping children cross roads, Bikeability training.] • Explain to the children that they are going to write a letter to someone who could help them to encourage more walking, cycling or scooting, such as their Headteacher, a parent or a local councillor. • Model how to write a persuasive letter including the ideas suggested by the children. Encourage the children to make use of powerful persuasive language, such as <i>'I urge you to consider...'</i> or <i>'We strongly believe...'</i> • Children to complete their own letters, using the writing frame to structure their work if required. 	<p>Letter writing frame</p>
<p>Art</p> <p>Flower power!</p>	<p>Pupils should be taught to:</p> <p>use drawing, painting and sculpture to develop and share their ideas, experiences and imagination</p> <p>develop a wide range of art and design techniques in using colour, pattern, texture, line, shape, form and space.</p>	<ul style="list-style-type: none"> • Discuss with children how we can mitigate the effects of air pollution by growing more plants. • Share with children the art work of Traci Bautista entitled Collage Unleashed. • Use these images as a starting point for the children's own mixed media art work. Provide children with a range of media and materials, including newspaper, wax crayons, felt tips, felt, and Brusho paint to create their own flower pictures. 	<p>Images of art work by Traci Bautista Newspaper Brusho paint Wax crayons Felt tips Felt</p>
<p>Science</p> <p>How does exercise affect breathing?</p>	<p>Pupils should be taught to:</p> <p>work scientifically by asking what humans need to stay healthy and suggesting ways to find answers to their questions.</p>	<ul style="list-style-type: none"> • Ask children to consider what happens to their bodies when they take part in exercise. Elicit ideas, including breathing changes, feeling sweaty, tired, going red in the face. • Present children with examples of different types of exercise (such as walking, throwing a ball, playing tag, running races) and ask them to predict which type of exercise has the biggest effect upon their bodies by ranking them in order. • Ask children how we could find out whether their predictions are accurate. Collect ideas from the children and use them to create an 	<p>Space for doing exercises</p> <p>Exercise equipment such as marker</p>

		<p>experiment. [Children could take part in the different types of exercise for 1 minute then use this to compare the different types of exercise; alternatively they could attempt to measure their pulse, although this can be tricky for young children].</p> <ul style="list-style-type: none">• Once the results have been collected, discuss them in light of our knowledge about air pollution. Do the children think it is a good idea to exercise near a road? Why could this be bad for their bodies?	cones or balls
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