



BRAMLEY APPLE SCHOOLS PROJECT

ORCHARDS - 'From Bud to Beaker'

Schools Project – National Curriculum Key Objectives

ACTIVITY	KEY STAGE	KEY OBJECTIVES/LEARNING OUTCOMES
Overall Project	Science\KS1\Sc2\5a	Find out about the different kinds of plants and animals in the local environment
	Science\KS1\Sc2\4b	Group living things according to observable similarities and differences
	Science\KS1\ Breadth of Study\1a	Knowledge, skills and understanding through a range of domestic and environmental contexts that are familiar and of interest to them
	Science\KS1\ Breadth of Study\1c	Knowledge, skills and understanding through a range of sources of information and data, including ICT-based sources
	Science\KS1\ Breadth of Study\2a	Communication – use appropriate scientific language and terms to communicate ideas and to name and describe living things, materials, phenomena and processes
	Science\KS2\Sc1\2f	Make systematic observation and measurements, including the use of ICT data logging
	Science\KS2\Sc1\2i	Use their scientific knowledge and understanding to explain observations, measurements or other data of conclusions
	Science\KS2\Sc1\2j	Use observations, measurements or other data to draw conclusions
	Science\KS2\Sc2\4c	That the variety of plants and animals makes it important to identify them and assign them to groups
	Science\KS2\Sc2\5b	About the different plants and animals found in different habitats
	Science\KS2\Sc2\5c	How animals and plants in two different habitats are suited to their environment
	Science\KS2\Sc2\5d	To use food chains to show feeding relationships in a habitat
	A & D\KS1\Breadth of Study\5a	Exploring a range of starting points for practical work (for example, themselves, their experiences, stories, natural and made objects and the local environment)
	A & D\KS1\ Breadth of Study\5b	Working on their own, and collaborating with others, on projects in two and tree dimensions and on different scales
	A & D\KS1\Breadth of Study\5c	Using a range of materials and processes (for example, painting, collage, print making, digital media, textiles, sculpture)
	A & D\KS2\KS&U\2a	Investigate and combine visual and tactile qualities of materials and processes and to match these qualities to the purpose of the work
	A & D\KS2\KS&U\5c	Using a range of materials and processes, including ICT (for example, painting, collage, print making, digital media , textiles, sculpture)

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Overall Project	D & T\KS1\ Breadth of Study\5a	Investigating and evaluating a range of familiar products
	D & T\KS1\ Breadth of Study\5b	Focused practical tasks that develop a range of techniques, skills processes and knowledge
	D & T\KS1\ KS&U\1e	Communicate their ideas using a variety of methods, including drawing and making models
	D & T\KS1\ KS&U\1d	Plan by suggesting what to do next as their ideas develop
	D & T\KS1\ KS&U\1c	Talk about their ideas
	D & T\KS1\ KS&U\1b	Develop ideas by shaping materials and putting together components
	D & T\KS2\ KS&U\1d	Communicate design ideas in different ways as these develop, bearing in mind aesthetic qualities, and the uses and purposes for which the product is intended
	D & T\KS2\ KS&U\1c	Plan what they have to do, suggesting a sequence of actions and alternatives, if needed
	D & T\KS2\ KS&U\1b	Develop ideas and explain them clearly, putting together a list of what they want their design to achieve
	D & T\KS2\ KS&U\1a	Generate ideas for products after thinking about who will use them and what they will be used for, using information from a number of sources, including ICT-based sources
The Community Orchard & Activity 1	Science\KS1\Sc1\1	Pupils should be taught that it is important to collect evidence by making observations and measurements when trying to answer a question
	Science\KS1\Sc1\2b	Use first-hand experience and simple information sources to answer questions
	Science\KS1\Sc1\2g	Communicate what happened in a variety of ways including ICT (for example, in speech and writing, by drawings, tables, block graphs and pictograms)
	Science\KS1\Sc1\2f	Explore using the senses of sight, hearing, smell, touch and taste as appropriate, and make and record observations and measurements
	Science\KS1\Sc1\2h	Make simple comparisons (for example, hand span, shoe size) and identify simple patterns or associations
	Science\KS2\Sc1\2f	Make systematic knowledge and understanding to explain observations, measurements or other data or conclusions
	Science\KS2\Sc2\4c	That the variety of plants and animals makes it important to identify them and assign them to groups
	A & D\KS1\KS&U\1a	Record from first-hand observation, experience and imagination, and explore ideas
	A & D\KS1\KS&U\4a	Visual and tactile elements, including colour, pattern and texture, line and tone, shape, form and space
	A & D\KS2\KS&U\1a	Record from experience and imagination, to select and record from first-hand observation and to explore ideas for different purposes

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The Fruit Year and Activity 2	Science\KS1\Sc2\1c	To relate life processes to animals and plants found in the local environment
	Science\KS1\Sc1\2b	Use first-hand experience and simple information sources to answer questions
	Science\KS1\Sc1\2f	Explore using the senses of sight, hearing, smell, touch and taste as appropriate, and make and record observations and measurements
	Science\KS2\Sc2\5e	About how nearly all food chains start with a green plant
	Science\KS2\Sc2\1b	That the life processes common to plants include growth, nutrition and reproduction
	Science\KS2\Sc2\1c	To make links between life processes in familiar animals and plants and the environments in which they are found
	Science\KS1\ Breadth of Study\2a	Communication – use appropriate scientific language and terms to communicate ideas and to name and describe living things, materials, phenomena and processes
	A & D\KS1\KS&U\1a	Record from first-hand observation, experience and imagination, and explore ideas
	A & D\KS1\KS&U\4a	Visual and tactile elements, including colour, pattern and texture, line and tone, shape, form and space
	A & D\KS1\KS&U\2c	Represent observations, ideas and feelings, and design and make images and artefacts
Pollination & Activity 3	Science\KS1\Sc1\2g	Communicate what happened in a variety of ways including ICT (for example, in speech and writing, by drawings, tables, block graphs and pictograms)
	Science\KS1\Sc2\3c	That seeds grow into flowering plants
	Science\KS1\Sc2\3b	To recognise and name the leaf, flower, stem and root of flowering plants
	Science\KS2\Sc2\1b	That the life processes common to plants include growth, nutrition and reproduction
	Science\KS2\Sc2\3d	About the parts of the flower (for example, stigma, stamen ,petal, sepal) and their role in the life cycle of the flowering plants, including pollination , seed formation seed dispersal and germination
	A & D\KS1\KS&U\2c	Represent observations, ideas and feelings, and design and make images and artefacts
	A & D\KS1\KS&U\2b	Try out tools and techniques and apply these to materials and processes, including drawing

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Fruit Picking & Activity 4	Science\KS1\Sc1\2f	Explore, using the senses of sight, hearing, smell, touch and taste as appropriate, and make and record observations and measurements
	A & D\KS1\KS&U\2a	Investigate the possibilities of a range of materials and processes
	A & D\KS1\KS&U\2c	Represent observations, ideas and feelings, and design and make images and artefacts
	A & D\KS1\KS&U\2b	Try out tools and techniques and apply these to materials and processes, including drawing
	A & D\KS2\KS&U\1c	Collect visual and other information (for example, images, materials)to help them develop their ideas, including using a sketchbook
Fruit Picking & Activity 4	A & D\KS2\KS&U\2b	Apply their experience of materials and processes, including drawing, developing their control of tools and techniques
	A & D\KS2\KS&U\2a	Investigate and combine visual and tactile qualities of materials and processes and to match these qualities to the purpose of the work
	History\KS1\KS&U\2b	Identify differences between ways of life at different times
	History\KS1\Breadth of study\6a	Changes in their own lives and the way of life of their family or others around them
	History\KS1\Breadth of study\6b	The way of life of people in the more distant past who lived in the local area or elsewhere in Britain
	History\KS2\KS&U\1b	Use dates and vocabulary relating to the passing of time, including ancient, modern, BC,AD century and decade
	History\KS2\Breadth of study\7	A study investigating how an aspect in the local area has changed over a long period of time, or how the locality was affected by a significant national or local event or development or by the work of a significant individual
Fruit Tasting & Activity 5	Science\KS1\Sc1\2f	Explore, using the senses of sight, hearing, smell, touch and taste as appropriate, and make and record observations and measurements
	Science\KS1\Sc1\2g	Communicate what happened in a variety of ways including ICT (for example, in speech and writing, by drawings, tables, block graphs and pictograms)

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Experiment	Science\KS1\Sc1\2f	Explore, using the senses of sight, hearing, smell, touch and taste as appropriate, and make and record observations and measurements
	Science\KS1\Sc1\2g	Communicate what happened in a variety of ways including ICT (for example, in speech and writing, by drawings, tables, block graphs and pictograms)
	Science\KS2\Sc1\2f	Make systematic knowledge and understanding to explain observations, measurements or other data or conclusions
	Science\KS2\Sc1\2h	Use a wide range of methods, including diagrams, drawings, tables , bar charts, line graphs and ICT, to communicate data in a appropriate and systematic manner
Fruit Juice & Activity 6	Science\KS1\Sc1\2f	Explore using the senses of sight, hearing, smell, touch and taste as appropriate, and make and record observations and measurements
	D & T\KS2\ KS&U\1a	Generate ideas for products after thinking about who will use them and what they will be used for, using information from a number of sources, including ICT-based sources
	D & T\KS1\ KS&U\2f	Follow safe procedures for food and safety and hygiene
	D & T\KS1\ KS&U\3c	Talk about their ideas and say what they like and dislike
	D & T\KS2\ KS&U\2f	Follow safe procedures for food and safety and hygiene
	D & T\KS1\Breadth of Study\5a	Investigating and evaluating a range of familiar products (for example, talking about how they work and whether they do what they are supposed
	D & T\KS1\Breadth of Study\5c	Design and make assignments using a range of materials, including food, items that can be put together to make products, and textiles
	D & T\KS1\Breadth of Study\5b	Focused practical tasks that develop a range of techniques, skills, processes and knowledge

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Video	D & T\KS1\ KS&U\1e	Communicate their ideas using a variety of methods, including drawing and making models
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The selection of key objectives and learning outcomes listed above represent various activities which could be explored and undertaken in the Bramley Apple Schools Project 'From Bud to Beaker'.

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Whilst the Mid Kent Downs Project has endeavoured to ensure that all information contained within the Bramley Apple Schools Project 'From Bud to Beaker' is correct, it cannot be held responsible for any inaccuracies within or problems arising out of the use of this project.