



Satellite View - Concepts and Skills - Year 4

Year 4
Geography
Picture Our Planet
<p>Concepts</p> <p>NC - Understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom, a region in a European country, and a region within North or South America</p> <p>A. To know some key facts about Brazil / Scotland / Fiji</p> <p>B. To know some of the physical features of Brazil / Scotland / Fiji</p> <p>C. To know some of the human features of Brazil / Scotland / Fiji</p> <p>D. To understand some of the traditions and customs of Brazil / Scotland / Fiji</p> <p>E. To understand how Brazil / Scotland / Fiji is tackling conservation issues</p>
<p>Skills</p> <p>Ge33 Ask and respond to geographical questions and offer their own ideas</p> <p>Ge34 Explore places with different climate zones and compare and describe how climate affects living things</p> <p>Ge35 Identify where significant places are located in the wider world</p> <p>Ge36 Observe and appreciate the relationship between the physical, built and economic and social environments</p> <p>Ge37 Identify how different ways in which people live around the world sometimes have consequences for the environment and the lives of others from local to global scales</p>
Out and About
<p>Concepts</p> <p>A. To name and locate counties and cities of the United Kingdom, geographical regions and their identifying human and physical characteristics, key topographical features (including hills, mountains, coasts, rivers), and understand how some of these aspects have changed over time (NC)</p> <p>B. To know and use the eight points of a compass, four-figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the United Kingdom and the wider world (NC)</p> <p>C. To recognise how and why places are similar to and different from other places in the same country and elsewhere in the world</p> <p>D. To use fieldwork to observe, measure and record human and physical features in the local area using a range of methods, including sketch maps, plans and graphs, and digital technologies (NC)</p>
<p>Skills</p> <p>Ge33 Ask and respond to geographical questions and offer their own ideas</p> <p>Ge34 Explore places with different climate zones and compare and describe how climate affects living things</p> <p>Ge35 Identify where significant places are located in the wider world</p> <p>Ge36 Observe and appreciate the relationship between the physical, built and economic and social environments</p> <p>Ge37 Identify how different ways in which people live around the world sometimes have consequences for the environment and the lives of others from local to global scales</p> <p>Ge38 Use appropriate geographical vocabulary in communicating findings</p> <p>Ge39 Employ a wider range of field work techniques and instruments to collect and analyse a range of data</p> <p>Ge40 Describe, compare and offer reasons for their views</p> <p>Ge41 Interpret information from different types of atlases, globes, maps and plans at a range of scales</p> <p>Ge42 Use secondary sources of information and ICT as part of investigations plans</p>
Window On The World
<p>Concepts</p> <p>A. To describe and understand key aspects of human geography, including types of settlement and land use (NC)</p> <p>B. To describe and understand key aspects of human geography, including economic activity, trade links and the distribution of natural resources including energy and food (NC)</p> <p>C. To locate and study an environmental problem faced by different continents, concentrating on their location, environmental regions, key physical and human characteristics, and countries</p>
<p>Skills</p> <p>Ge33 Ask and respond to geographical questions and offer their own ideas</p> <p>Ge34 Explore places with different climate zones and compare and describe how climate affects living things</p>

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Ge36 Observe and appreciate the relationship between the physical, built and economic and social environments

Ge37 Identify how different ways in which people live around the world sometimes have consequences for the environment and the lives of others from local to global scales

Ge38 Use appropriate geographical vocabulary in communicating findings

Ge40 Describe, compare and offer reasons for their views

Ge41 Interpret information from different types of atlases, globes, maps and plans at a range of scales

Ge42 Use secondary sources of information and ICT as part of investigations

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Year 4
Science
Rocky The Findosaur
<p>Concepts</p> <p>A. To compare and group together different kinds of rocks on the basis of their appearance and simple physical properties (NC)</p> <p>B. To know and describe in simple terms how fossils are formed when things that have lived are trapped within rock (NC)</p> <p>C. To recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago (UKS2 NC)</p> <p>D. To know that soils are made from rocks and organic matter (NC)</p> <p>E. To compare and group materials together, according to whether they are solids, liquids or gases (NC)</p> <p>F. To know and observe how some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C) (NC)</p> <p>G. To identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature (NC)</p>
<p>Skills</p> <p>Sc25 Set up and carry out simple practical enquiries, comparative and fair tests</p> <p>Sc26 Put forward ideas about testing and make predictions</p> <p>Sc27 Make close observations and comparisons</p> <p>Sc28 Observe patterns and suggest explanations</p> <p>Sc29 Collect data</p> <p>Sc30 Recognise and explain why a test is fair or unfair</p> <p>Sc31 Identify simple trends to answer questions</p> <p>Sc32 Make accurate measurements using standard units and begin to think about why measurements should be repeated</p> <p>Sc33 Use scientific evidence to answer questions</p> <p>Sc34 Use a range of equipment, including data loggers and thermometers</p> <p>Sc35 Gather and record findings through drawings, photographs, labelled diagrams, keys, models, presentations, tables, graphs and displays, using scientific language</p> <p>Sc36 Report on what the evidence shows through written explanations of results and conclusions and reports</p> <p>Sc37 Use results to draw simple conclusions, suggest improvements and raise further questions</p>
Picture Our Planet
<p>Concepts</p> <p>A. To identify how sounds are made, associating some of them with something vibrating (NC)</p> <p>B. To know that vibrations from sounds travel through a medium to the ear (NC)</p> <p>C. To recognise patterns between the volume of a sound and the strength of the vibrations that produce it (NC)</p> <p>D. To identify patterns between the pitch of a sound and the feature of the object that produced it (NC)</p>
<p>Skills</p> <p>Sc25 Set up and carry out simple practical enquiries, comparative and fair tests</p> <p>Sc26 Put forward ideas about testing and make predictions</p> <p>Sc27 Make close observations and comparisons</p> <p>Sc28 Observe patterns and suggest explanations</p> <p>Sc29 Collect data</p> <p>Sc30 Recognise and explain why a test is fair or unfair</p> <p>Sc31 Identify simple trends to answer questions</p> <p>Sc32 Make accurate measurements using standard units and begin to think about why measurements should be repeated</p> <p>Sc33 Use scientific evidence to answer questions</p> <p>Sc34 Use a range of equipment, including data loggers and thermometers</p> <p>Sc35 Gather and record findings through drawings, photographs, labelled diagrams, keys, models, presentations, tables, graphs and displays, using scientific language</p> <p>Sc36 Report on what the evidence shows through written explanations of results and conclusions and reports</p> <p>Sc37 Use results to draw simple conclusions, suggest improvements and raise further questions</p>
Lightning Speed
<p>Concepts</p> <p>A. To identify common appliances that run on electricity (NC)</p>

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- B. To know how to construct a simple series electrical circuit and demonstrate this, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers (NC)
- C. To identify whether or not a lamp will light in a simple series circuit based on whether or not the lamp is part of a complete loop with a battery (NC)
- D. To recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit (NC)
- E. To know and identify some common conductors and insulators, and associate metals with being good conductors (NC)

Skills

- Sc25 Set up and carry out simple practical enquiries, comparative and fair tests
- Sc26 Put forward ideas about testing and make predictions
- Sc27 Make close observations and comparisons
- Sc28 Observe patterns and suggest explanations
- Sc29 Collect data
- Sc30 Recognise and explain why a test is fair or unfair
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- Sc37 Use results to draw simple conclusions, suggest improvements and raise further questions

A World Of Difference / Cry Freedom

Concepts

- A. To know that light is reflected from surfaces (NC)
- B. To find patterns in the way that shadows change (NC)

Skills

- Sc25 Set up and carry out simple practical enquiries, comparative and fair tests
- Sc26 Put forward ideas about testing and make predictions
- Sc27 Make close observations and comparisons
- Sc28 Observe patterns and suggest explanations
- Sc29 Collect data
- Sc30 Recognise and explain why a test is fair or unfair
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- Sc33 Use scientific evidence to answer questions
- Sc34 Use a range of equipment, including data loggers and thermometers
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- Sc36 Report on what the evidence shows through written explanations of results and conclusions and reports
- Sc37 Use results to draw simple conclusions, suggest improvements and raise further questions

Operation Pied Piper

Concepts

- To know how to carry out a fair test on materials that could be used for a gas mask

Skills

- Sc15 Ask relevant questions
- Sc16 With help, set up and carry out simple practical enquiries, comparative and fair tests
- Sc17 Suggest what might happen in comparative and fair tests
- Sc18 Make careful observations and comparisons
- Sc19 Recognise what constitutes a fair test
- Sc22 Discuss and describe findings
- Sc23 Communicate findings using simple scientific language in written explanations, drawing, labelled diagrams, keys, bar charts or tables
- Sc24 Use results to draw simple conclusions

Satellite View - Concepts and Skills - Year 4

Year 4
History
Cry Freedom
<p>Concepts</p> <p>NC - Pupils should be taught about a non-European society that provides contrasts with British history</p> <p>NC - Pupils should be taught a study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066</p> <p>A. To know and understand what slavery is and recognise its different forms</p> <p>B. To learn about the history of slavery around the world - Europe, Asia, Africa, America</p> <p>C. To learn about key figures involved in the abolition of slavery</p> <p>D. To learn about modern-day slavery</p>
<p>Skills</p> <p>Hi23 Ask and answer a variety of perceptive historical question</p> <p>Hi24 Investigate the characteristic features of, and changes within, periods of history that were of global significance</p> <p>Hi25 Identify the impact of the movement and settlement of people in different periods of history</p> <p>Hi26 Identify how significant events, developments or individuals and groups have influenced the world in the recent and distant past</p> <p>Hi28 Place events, people and changes into correct periods of time on a timeline</p> <p>Hi29 Use dates and vocabulary relating to the passing of time, including AD/BC</p> <p>Hi31 Communicate knowledge and understanding in a variety of ways</p>
Operation Pied Piper
<p>Concepts</p> <p>A. To know where and when WWII took place, who the main leaders were, and which countries were involved</p> <p>B. To identify and locate on a map the countries involved in World War II</p> <p>C. To learn about the evacuation process during World War II</p> <p>D. To learn what the Blitz was and know about the shelters used to protect people from air raids</p> <p>E. To know about the Home Front and understand the reasons for rationing</p>
<p>Skills</p> <p>Hi24 Investigate the characteristic features of, and changes within, periods of history that were of global significance</p> <p>Hi26 Identify how significant events, developments or individuals and groups have influenced the world in the recent and distant past</p> <p>Hi27 Identify different ways in which the past is represented and interpreted and recognise how history is preserved</p> <p>Hi29 Use dates and vocabulary relating to the passing of time, including AD/BC</p> <p>Hi30 Use and evaluate sources of information, recognising that evidence varies in the extent to which it can be trusted</p> <p>Hi31 Communicate knowledge and understanding in a variety of ways</p>
Viking Warrior
<p>Concepts</p> <p>NC - Pupils should be taught about the Viking and Anglo-Saxon struggle for the Kingdom of England to the time of Edward the Confessor</p> <ul style="list-style-type: none"> To know and be able to retell the life story of Ragnar Lothbrok To know the chronology of invaders and settlers in Britain To understand that Viking sagas were often written down many years after the events had possibly happened and, therefore may contain more fiction than fact To understand that evidence from the Viking period was passed from person to person verbally, leading to inaccuracies and omissions To understand why the Vikings invaded Britain To understand the way in which the past impacts on the present
<p>Skills</p> <p>Hi25 Identify the impact of the movement and settlement of people in different periods of history</p> <p>Hi26 Identify how significant events, developments or individuals and groups have influenced the world in the recent and distant past</p> <p>Hi27 Identify different ways in which the past is represented and interpreted and recognise how history is preserved</p> <p>Hi28 Place events, people and changes into correct periods of time on a timeline</p> <p>Hi29 Use dates and vocabulary relating to the passing of time, including AD/BC</p> <p>Hi30 Use and evaluate sources of information, recognising that evidence varies in the extent to which it can be trusted</p>

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Year 4
Art
A World of Difference
<p>Drawing and Painting</p> <p>Concepts</p> <p>NC - To create sketch books to record their observations and use them to review and revisit ideas</p> <p>NC - To improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials</p> <ul style="list-style-type: none"> To know that the mandala is a symbolic representation of the universe in Tibetan Buddhism To understand that the mandala is derived from the word 'circle' To learn that Mandalas are used as spiritual teaching tool that helps strengthen meditation and increase focus To understand some of the features from Islamic art
<p>Skills</p> <p>Ar49 Drawing Explore relationships between line and tone, pattern and shape, line and texture and make informed choices in drawing, including use of paper and media</p> <p>Ar56 Alter and refine drawings and describe changes, based on close observation, using appropriate vocabulary</p> <p>Ar59 Drawing Make informed choices in drawing including use of paper and media</p> <p>Ar60 Drawing Collect images and information independently in a sketchbook</p> <p>Ar69 Design and create images and artefacts for clearly defined purposes</p>
Lightning Speed
<p>Printing</p> <p>Skills Development</p> <ul style="list-style-type: none"> To know about a range of lines and marks that create different effects when printing <p>Concepts</p> <p>NC - To improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials</p> <ul style="list-style-type: none"> To learn a range of printing techniques that were used from both Ancient and Modern times e.g. 'wood block'
<p>Skills</p> <p>Ar51 Printing Research, create and refine a print using a variety of techniques</p> <p>Ar52 Printing Explore resist printing including marbling and silkscreen</p> <p>Ar64 Printing Select broadly the kinds of material to print with in order to achieve the desired effect</p>
Law and Order / Operation Pied Piper
<p>Drawing</p> <p>Skills Development</p> <ul style="list-style-type: none"> To know that line can be used effectively as a visual element in drawing <p>Concepts</p> <p>NC - To create sketch books to record their observations and use them to review and revisit ideas</p> <p>NC - To improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials</p> <ul style="list-style-type: none"> To know the rule of thirds is a set of guidelines used to composing artwork for 2D mediums, such as photography, drawing and painting To know that artists use the rule of thirds when creating landscapes, but that it can also be used for subject matter, still life, figures and portraits
<p>Skills</p> <p>Ar49 Drawing Explore relationships between line and tone, pattern and shape, line and texture and make informed choices in drawing, including use of paper and media</p> <p>Ar54 Find out about artists, architects and designers</p> <p>Ar55 Drawing Use research to inspire drawings from memory and imagination</p> <p>Ar56 Drawing Alter and refine drawings and describe changes, based on close observation, using appropriate vocabulary</p> <p>Ar59 Drawing Make informed choices in drawing including use of paper and media</p> <p>Ar60 Drawing Collect images and information independently in a sketchbook</p>
Picture Our Planet
<p>Textiles and Collage</p> <p>Skills Development</p>

Satellite View - Concepts and Skills - Year 4

- To know how to cut, layer and join materials

Concepts

NC - To know about great artists, architects and designers

- To learn about Romero Britto and discuss the key features of his work e.g. bright colours, abstract form, bold lines

Skills

Ar54 Find out about artists, architects and designers

Ar57 Textiles / Collage Match the correct tool to the material

Ar65 Textiles / Collage Choose collage or textiles as a means of extending work already achieved

Ar69 Design and create images and artefacts for clearly defined purposes

Cry Freedom

Mixed Media

Concepts

NC - To improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials

- To learn about the role of graffiti as an artform and a political tool in society (as well as a discouraged form of vandalism)
- To learn about Banksy and how he uses graffiti to speak out on issues such as greed, poverty and slave labour

Skills

Ar54 Find out about artists, architects and designers

Ar55 Drawing Use research to inspire drawings from memory and imagination

Ar69 Design and create images and artefacts for clearly defined purposes

Satellite View - Concepts and Skills - Year 4

Year 4
Design Technology
Lightning Speed
<p>Concepts</p> <p>NC - Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups</p> <p>NC - Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</p> <p>NC - Investigate and analyse a range of existing products</p> <p>NC - Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p> <ul style="list-style-type: none"> Design and make a model of a new communications device for the Evil Genius
<p>Skills</p> <p>Di28 Use research to inform their design</p> <p>Di30 Evaluate work, adapting and improving through the views of others to improve their work</p> <p>Di31 Communicate design ideas in different ways e.g. discussion, annotated sketches, cross-sectional diagrams and prototypes</p> <p>Di32 Select from and use a range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities</p> <p>Di33 Join and combine materials and components accurately in temporary and permanent ways</p> <p>Di34 Measure, mark, cut out and shape a range of materials and assemble, join and combine components and materials with increasing accuracy</p>
Law and Order - Mechanisms - Levers and Linkages I
<p>Concepts</p> <p>NC - Understand and use mechanical systems in their products (for example, gears, pulleys, cams, levers and linkages)</p> <p>NC - Select from and use a wider range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and finishing) accurately</p> <ul style="list-style-type: none"> Construct some of the examples of levers and linkages Design, make and evaluate a celebration card that includes a mechanical system. The picture must include levers and linkages
<p>Skills</p> <p>Di23 Identify a purpose and establish criteria for a successful product</p> <p>Di26 Selecting appropriate tools and techniques, name and describe them</p> <p>Di27 Measure, mark, cut out and shape a range of materials and assemble, join and combine components and materials with some accuracy</p>
Picture Our Planet - Textiles
<p>Concepts</p> <p>NC - Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</p> <p>NC - Select from and use a wider range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and finishing) accurately</p> <p>NC - Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities</p> <p>NC - Investigate and analyse a range of existing products</p> <ul style="list-style-type: none"> Design and make an animal soft toy, aimed at toddlers, in association with the Scottish Wildlife Trust
<p>Skills</p> <p>Di21 Generate, develop and explain ideas for products to meet a range of needs</p> <p>Di23 Identify a purpose and establish criteria for a successful product</p> <p>Di24 Evaluate work, adapting and improving where appropriate</p> <p>Di25 Communicate design ideas in different ways e.g. discussion, annotated sketches, cross-sectional diagrams and prototypes</p> <p>Di26 Selecting appropriate tools and techniques, name and describe them</p> <p>Di27 Measure, mark, cut out and shape a range of materials and assemble, join and combine components and materials with some accuracy</p>
Picture Our Planet - Food Technology
<p>Concepts</p> <p>NC - understand and apply the principles of a healthy and varied diet</p> <ul style="list-style-type: none"> To make the traditional Scottish sweet, Tablet
Skills

Satellite View - Concepts and Skills - Year 4

Dt32 Select from and use a range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic

Operation Pied Piper

Concepts

- To design and make a garden shelter using an Anderson shelter as inspiration

Skills

Dt28 Use research to inform their design

Dt30 Evaluate work, adapting and improving through the views of others to improve their work

Dt31 Communicate design ideas in different ways e.g. discussion, annotated sketches, cross-sectional diagrams and prototypes

Dt32 Select from and use a range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities

Dt33 Join and combine materials and components accurately in temporary and permanent ways

Dt34 Measure, mark, cut out and shape a range of materials and assemble, join and combine component and materials with increasing accuracy

Satellite View - Concepts and Skills - Year 4

Year 4
Music
A World of Difference
<p>Skills Development</p> <ul style="list-style-type: none"> To learn about the pentatonic scale and combine known rhythmic notation with letter names to create short pentatonic phrases <p>Concepts</p> <p>NC - Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression</p> <ul style="list-style-type: none"> To know the purpose of notation To know how to write basic musical notation To know some songs associated with Festivals of Light e.g. Hanukkah To know how to choose and play a variety of tuned and untuned instruments
<p>Skills</p> <p>Mu30 Explore and extend the ways sounds can be combined and used expressively to convey mood and emotion</p> <p>Mu32 Compose and perform simple melodies recognising different musical elements and how they can be used together to compose music</p> <p>Mu35 Listen carefully, recognise and use repeated patterns and increase aural memory</p> <p>Mu36 Internalise sounds by singing parts of a song 'in their heads' and attempt to play simple melodic phrases by ear</p> <p>Mu37 Perform with awareness of different parts that others are playing or singing</p>
Lightning Speed
<p>Skills Development</p> <ul style="list-style-type: none"> To copy stepwise melodic phrases with accuracy at different speeds: allegro and adagio, fast and slow <p>Concepts</p> <p>NC - Improvise and compose music for a range of purposes using the inter-related dimensions of music</p> <ul style="list-style-type: none"> To know that music can affect mood and emotions To know how to use tempo and pitch to create drama and evoke different moods To know the features of major and minor tonality To understand and explain their own personal likes and dislikes in music, related back to the elements of music
<p>Skills</p> <p>Mu30 Explore and extend the ways sounds can be combined and used expressively to convey mood and emotion</p> <p>Mu32 Compose and perform simple melodies recognising different musical elements and how they can be used together to compose music</p> <p>Mu33 Explore, recall and plan sounds using symbols and ICT</p> <p>Mu35 Listen carefully, recognise and use repeated patterns and increase aural memory</p> <p>Mu37 Perform with awareness of different parts that others are playing or singing</p>
Law and Order / Operation Pied Piper
<p>Skills Development</p> <ul style="list-style-type: none"> To use listening skills to keep the beat in a piece of music, showing awareness of and responding to change in tempo To make compositional decisions about the overall structure of improvisations To improvise by inventing short 'on-the-spot' rhythm patterns <p>Concepts</p> <p>NC - Use and understand staff and other musical notations</p> <ul style="list-style-type: none"> To know the basic notation values To know what crotchets, minims and semibreves are To know how to read simple duration notation To know the importance of listening to each other when performing in groups
<p>Skills</p> <p>Mu33 Explore, recall and plan sounds using symbols and ICT</p> <p>Mu34 Combine several layers of sound, observing the combined effect</p> <p>Mu35 Listen carefully, recognise and use repeated patterns and increase aural memory</p> <p>Mu37 Perform with awareness of different parts that others are playing or singing</p>
Picture Our Planet
<p>Skills Development</p> <ul style="list-style-type: none"> To use listening skills to correctly identify how many sounds they can hear and to name the individual instrument voices To create and play a group piece which shows understanding of texture and notation <p>Concepts</p>

Satellite View - Concepts and Skills - Year 4

NC - Develop an understanding of the history of music

- To know what the ancient instruments, the carnyx and the crwth, are
- To know the origins of Celtic music
- To know that the bodhran is a Celtic drum
- To understand what improvisation means
- To know what a rhythmic pattern is

Skills

Mu34 Combine several layers of sound, observing the combined effect

Mu35 Listen carefully, recognise and use repeated patterns and increase aural memory

Cry Freedom

Skills Development

- To practice breathing techniques in order to improve vocal control
- To improve diction when singing
- To understand the importance of posture when singing

Concepts

NC - Appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians

NC - Develop an understanding of the history of music.

Skills

Mu30 Explore and extend the ways sounds can be combined and used expressively to convey mood and emotion

Mu32 Compose and perform simple melodies recognising different musical elements and how they can be used together to compose music

Mu35 Listen carefully, recognise and use repeated patterns and increase aural memory

Mu36 Internalise sounds by singing parts of a song 'in their heads' and attempt to play simple melodic phrases by ear

Mu37 Perform with awareness of different parts that others are playing or singing

Satellite View - Concepts and Skills - Year 4

Year 4
Computing
Picture Our Planet – Multimedia (Photo Editing) and Information Technology (Email)
<p>Concepts</p> <p>NC – Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p> <ul style="list-style-type: none"> Understand how to edit photos using advanced tools and filters <p>NC – To understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration</p> <p>NC – Know how to use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact.</p> <ul style="list-style-type: none"> To understand email and be able to draft and send them
<p>Skills</p> <p>Mm6 Explore alternative approaches to develop and refine work</p> <p>Mm7 Use a variety of ICT tools to create, refine and present work in a variety of ways</p> <p>Mm8 Use features of layout, presentation and organisation in print and on screen</p> <p>Mm9 Use editing skills for visual effects</p> <p>IT4 Save and use stored information to follow lines of enquiry</p> <p>IT5 Identify the opportunities computer networks offer for communication and collaboration</p> <p>IT6 Use key words to search for and select appropriate information from the internet and other digital sources</p> <p>IT7 Understand computer networks including the Internet, recognizing how they can provide multiple services, such as the world-wide web</p>
A World of Difference – Multimedia (Presentation)
<p>Concepts</p> <p>NC – Know how to select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information</p> <p>NC – Know how to use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content</p> <ul style="list-style-type: none"> To know how to create a quiz using a presentation program
<p>Skills</p> <p>Mm6 Explore alternative approaches to develop and refine work</p> <p>Mm7 Use a variety of ICT tools to create, refine and present work in a variety of ways</p> <p>Mm8 Use features of layout, presentation and organisation in print and on screen</p> <p>Mm9 Use editing skills for visual effects</p>
Law and Order / Operation Pied Piper- Computer Science
<p>Concepts</p> <p>NC – Know how to use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p> <p>NC – Know how to design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts</p> <ul style="list-style-type: none"> To know how to create a 3D world within Kodu To know how to Identify selection To understand and use selection with Kodu
<p>Skills</p> <p>CS4 Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems</p> <p>CS5 Solve problems by decomposing them into smaller parts</p> <p>CS6 Use sequence, selection, and repetition in programs</p> <p>CS7 Work with variables and various forms of input and output</p> <p>CS8 Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>
Lightning Speed – Computer Networks
<p>Concepts</p> <p>NC – To understand computer networks including the internet; how they can provide multiple services, such as the world wide web; and the opportunities they offer for communication and collaboration</p>

Satellite View - Concepts and Skills - Year 4

- A. To understand that the computers in a school are connected together in a network
- B. To understand why computers are networked
- C. To understand the difference between the internet and the World Wide Web (WWW)
- D. To understand that servers on the internet are located across the planet
- To understand how email is sent across the internet

Skills

DC5 Use ICT to exchange ideas and collaborate with others remotely

DC6 Use ICT safely and appreciate the need to keep electronic data secure

IT5 Identify the opportunities computer networks offer for communication and collaboration

IT6 Use key words to search for and select appropriate information from the internet and other digital sources

IT7 Understand computer networks including the Internet, recognizing how they can provide multiple services, such as the world-wide web

Satellite View - Concepts and Skills - Year 4

Year 4
PSHE - Discrete
Autumn 1
<p>Core 1 Unit 6 Lesson 5: Internet Use - Online Usage</p> <p>Concepts</p> <ul style="list-style-type: none"> Know that for most people the internet is an integral part of life and has many benefits Know about the benefits of rationing time spent online, the risks of excessive time spent on electronic devices and the impact of positive and negative content online on their own and others' mental wellbeing <p>Core 1 Unit 6 Lesson 6: Internet Use - Age Limits</p> <p>Concepts</p> <ul style="list-style-type: none"> To know why social media, some computer games and online gaming, for example, are age restricted To know where and how to report concerns and get support with issues online
<p>Skills</p> <p>PW33 Begin to make responsible choices and consider consequences</p> <p>PW39 Behave safely and responsibly in different situations</p> <p>HW21 Use ICT safely including keeping electronic data secure</p>
Autumn 2
<p>Core 3 Unit 3 Lesson 1: Gender Stereotypes - His and Hers</p> <p>Concepts</p> <ul style="list-style-type: none"> Know what a stereotype is, and how stereotypes can be unfair, negative and destructive Know and understand the terms 'discrimination' and 'stereotype' Challenge stereotypes relating to gender and work <p>Core 2 Unit 3 Lesson 2: Self Worth - I'm A Marvel</p> <p>Concepts</p> <ul style="list-style-type: none"> Understand what self-esteem is and why it is important Know how to communicate their opinions in a group setting <p>Core 1 Unit 5 Lesson 5: Feelings - Overreacting</p> <p>Concepts</p> <ul style="list-style-type: none"> Know how to judge whether what they are feeling and how they are behaving is appropriate and proportionate
<p>Skills</p> <p>PW32 Talk about their views on issues that affect themselves and their class</p> <p>PW34 Develop strategies for managing and controlling strong feelings and emotions</p> <p>PW44 Empathise with another viewpoint</p> <p>PW65 Recognise how new relationships may develop</p> <p>HW7 Recognise how attitude, behaviour and peer pressure can influence choice and behaviour, including dealing with bullying</p> <p>HW11 Recognise how their behaviour and that of others may influence people both positively and negatively</p> <p>HW20 Work independently and in groups, taking on different roles and collaborating towards common goals</p> <p>Ci8 Show awareness of issues affecting communities and groups</p> <p>Ci12 Recognise the importance of local organisations in providing for the needs of the local community</p> <p>Ci13 Reflect on how people can take actions, make a positive contribution and have a say in what happens, both locally and nationally</p>
Spring 1
<p>Core 1 Unit 3 Lesson 3: Working With Food - Master Chef</p> <p>Concepts</p> <ul style="list-style-type: none"> Know the principles of planning and preparing a range of healthy meals <p>Core 1 Unit 3 Lesson 4: Working With Food - Our Food Hall</p> <p>Concepts</p> <ul style="list-style-type: none"> Learn to prepare and cook a variety of dishes
<p>Skills</p> <p>PW25 Identify the range of jobs carried out by the people they know</p> <p>PW27 Reflect on the range of skills needed in different jobs</p> <p>PW37 Explore the relationship and balance between physical activity and nutrition in achieving a physically and mentally healthy lifestyle</p> <p>PW41 Begin to make informed lifestyle choices</p> <p>PW45 Form and maintain appropriate relationships with a range of different people</p> <p>HW8 Recognise stereotyping and discrimination</p>

Satellite View - Concepts and Skills - Year 4

<p>Ci15 Work co-operatively, showing fairness and consideration to others</p> <p>Ci24 Work collaboratively towards common goals</p> <p>Ci25 Reach agreements, make decisions and manage discussions to achieve positive results</p>
Spring 2
<p>Concepts</p> <p>Core 1 Unit 5 Lesson 6: Self-Respect - Let's R.O.C.K!</p> <p>Concepts</p> <ul style="list-style-type: none"> Learn about the importance of self-respect and how this links to their own happiness
<p>Skills</p> <p>PW6 Recognise what they are good at</p> <p>PW7 Recognise, name and manage their feelings in a positive way</p>
Summer 1
<p>Core 2 Unit 1 Lesson 3: Responding To Others - Agony Aunt</p> <p>Concepts</p> <ul style="list-style-type: none"> Understand why it is important to listen to others <p>Core 2 Unit 1 Lesson 4: Expressing Opinions - It's Debatable</p> <p>Concepts</p> <ul style="list-style-type: none"> Know how to communicate their opinions in a group setting Understand why it is important to listen to others <p>Core 1 Unit 5 Lesson 3: Loss / Separation - Left Behind</p> <p>Concepts</p> <ul style="list-style-type: none"> Know that isolation and loneliness can affect children and that it is very important for children to discuss their feelings with an adult and seek support
<p>Skills</p> <p>PW32 Talk about their views on issues that affect themselves and their class</p> <p>PW34 Develop strategies for managing and controlling strong feelings and emotions</p> <p>PW42 Identify strategies to respond to negative behaviour constructively and ask for help</p> <p>PW44 Empathise with another viewpoint</p> <p>HW13 Listen to and show consideration for other people's views</p> <p>Ci15 Work co-operatively, showing fairness and consideration to others</p>
Summer 2
<p>Core 2 Unit 4 Lesson 1: Connections - Paper Chains</p> <p>Concepts</p> <ul style="list-style-type: none"> Understand that we are all connected by our similarities
<p>Skills</p> <p>PW44 Empathise with another viewpoint</p> <p>HW4 Recognise and respect similarities and differences between people</p> <p>Ci15 Work co-operatively, showing fairness and consideration to others</p>

Year 4
PSHE / Computing
Lesson 1 - Online Relationships & Online Bullying (Autumn 1)
<p>Overview</p> <p>To understand downtime and how we should behave during it</p> <p>This is the first lesson of the Year 4 Safe Zone where children take on the role of Lieutenant for the year. In this lesson, children look at their 'downtime'. They discuss activities they like to do in their spare time online, the difficulties they could face, and how they should conduct themselves.</p>
<p>Objectives</p> <ul style="list-style-type: none"> I can describe strategies for safe and fun experiences in a range of online social environments (e.g. livestreaming, gaming platforms). I can give examples of how to be respectful to others online and describe how to recognise healthy and unhealthy online behaviours. I can explain how content shared online may feel unimportant to one person but may be important to other people's thoughts feelings and beliefs.

Satellite View - Concepts and Skills - Year 4

<ul style="list-style-type: none"> I can recognise when someone is upset, hurt or angry online. I can describe ways people can be bullied through a range of media (e.g. image, video, text, chat). I can explain why people need to think carefully about how content they post might affect others, their feelings and how it may affect how others feel about them (their reputation).
Key Vocabulary downtime, hobbies, precautions, strangers, live-stream, friend request, add, connection
Lesson 2 - Health, Well-being and Lifestyle (Autumn 2)
Overview To reflect on screen time and what you access online In this lesson, children look at the distraction technology can be, from both a positive and negative view. Children will learn about the daily recommended screen time limits and discuss whether they think this is suitable. They will discuss different scenarios around technology as a distraction and decide whether their use is healthy by filling in a Personal Technology Audit.
Objectives <ul style="list-style-type: none"> I can explain how using technology can be a distraction from other things, in both a positive and negative way. I can identify times or situations when someone may need to limit the amount of time they use technology e.g. I can suggest strategies to help with limiting this time.
Key Vocabulary distraction, focus, concentration, engrossed, limit, screen time, technology, audit
Lesson 3 - Online Reputation & Managing Online Information (Spring 1)
Overview To question the validity of online sources of information In this lesson, children will extend their knowledge of safe searching of the internet by being shown another fake website. This time, they use the Knowledge CHASERS acronym from Year 3 to see if they can check the validity of the information for themselves. They will begin to understand the terms 'fake news' and 'misinformation' and the reasons people might post these.
Objectives <ul style="list-style-type: none"> I can describe how to find out information about others by searching online. I can explain ways that some of the information about anyone online could have been created, copied or shared by others. I can analyse information to make a judgement about probable accuracy and I understand why it is important to make my own decisions regarding content and that my decisions are respected by others. I can describe how to search for information within a wide group of technologies and make a judgement about the probable accuracy (e.g. social media, image sites, video sites). I can describe some of the methods used to encourage people to buy things online (e.g. advertising offers; in-app purchases, pop-ups) and can recognise some of these when they appear online. I can explain why lots of people sharing the same opinions or beliefs online do not make those opinions or beliefs true. I can explain that technology can be designed to act like or impersonate living things (e.g. bots) and describe what the benefits and the risks might be. I can explain what is meant by fake news e.g. why some people will create stories or alter photographs and put them online to pretend something is true when it isn't.
Key Vocabulary fake news, misinformation, fictional, factual, discerning, accuracy, impersonate, informal, formal
Lesson 4 - Self-Image and Identity (Spring 2)
Overview To review online identity. In this lesson, children will explore the difference between online and offline identities. They will look at sample social media accounts and evaluate whether the example accounts are behaving correctly or not. They will begin to understand the term impersonation and explore the reasons behind why this happens.
Objectives <ul style="list-style-type: none"> I can explain how my online identity can be different to my offline identity. I can describe positive ways for someone to interact with others online and understand how this will positively impact on how others perceive them. I can explain that others online can pretend to be someone else, including my friends, and can suggest reasons why they might do this.

Satellite View - Concepts and Skills - Year 4

Key Vocabulary

violation, protocol, identity, impersonation, pretend, public, social media, implications

Lesson 5 - Copyright and Ownership (Summer 1)

Overview

To create an online portfolio being aware of copyright and ownership.

In this lesson, children will build upon their knowledge of copyright and ownership and use this to create an online portfolio application for the role of Captain of the Safe Zone. Children will use the internet safely and discerningly to find images they are able to reuse, being aware of copyright licenses whilst doing so.

Objectives

- When searching on the internet for content to use, I can explain why I need to consider who owns it and whether I have the right to reuse it.
- I can give some simple examples of content which I must not use without permission from the owner, e.g. videos, music, images.

Key Vocabulary

portfolio, application, reuse, digital content, sources, Google Sites, Microsoft Sway, information, publish, privacy settings

Lesson 6 - Privacy and Security (Summer 2)

Overview

To create an online portfolio being aware of copyright and ownership.

In this lesson, children will build upon their knowledge of copyright and ownership and use this to create an online portfolio application for the role of Captain of the Safe Zone. Children will use the internet safely and discerningly to find images they are able to reuse, being aware of copyright licenses whilst doing so

Objectives

- I can describe strategies for keeping personal information private, depending on context.
- I can explain that internet use is never fully private and is monitored, e.g. adult supervision.
- I can describe how some online services may seek consent to store information about me; I know how to respond appropriately and who I can ask if I am not sure.
- I know what the digital age of consent is and the impact this has on online services asking for consent.

Key Vocabulary

portfolio, application, reuse, digital content, sources, Google Sites, Microsoft Sway, information, publish, privacy settings