

| | Art and design | Design and technology | Science | Geography | Computing | Music | PE |
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| Programme of Study | <p>Learn about great artists, architects and designers in history.</p> <p>Improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials (for example, pencil, charcoal, paint, clay).</p> <p>Evaluate and analyse creative works using the language of art, craft and design.</p> | <p>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>Understand and use mechanical systems in their products (for example, gears, pulleys, cams, levers and linkages).</p> | <p>Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.</p> <p>Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them. (Y6)</p> | <p>Use maps, atlases, globes and digital/ computer mapping to locate countries and describe features studied.</p> | <p>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>Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content.</p> <p>RHE – Health education:</p> <p>Know how to be a discerning consumer of information online including understanding that information, including that from search engines, is ranked, selected and targeted.</p> | <p>Improvise and compose music for a range of purposes using the interrelated dimensions of music.</p> | <p>Perform dances using a range of movement patterns.</p> |

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| Year 6 Learning Intention (skills) | <p>Explain the significance of different artworks from a range of times and cultures and use elements of these to create their own artworks.</p> <p>Use colour palettes and characteristics of an artistic movement or artist in artwork.</p> <p>Compare and contrast artists' use of perspective, abstraction, figurative and conceptual art.</p> <p>Use distortion, abstraction and exaggeration to create interesting effects in portraiture or figure drawing.</p> <p>Adapt and refine artwork in light of constructive feedback and reflection.</p> | <p>Choose the best materials for a task, showing an understanding of their working characteristics.</p> <p>Explain and use mechanical systems in their products to meet a design brief.</p> | <p>Plan and carry out a range of enquiries, including writing methods, identifying and controlling variables, deciding on equipment and data to collect and making predictions based on prior knowledge and understanding.</p> <p>Explain, using words, diagrams or a model, why shadows have the same shape as the objects that cast them and how shadows can be changed.</p> | <p>Use satellite imaging and maps of different scales to find out geographical information about a place.</p> | <p>Select, use and combine a variety of software, including internet services, to meet a goal.</p> <p>Critically evaluate search engine results and identify factors that may affect ranking, such as how long the site has existed, the number of links to the site and whether the organisation has paid to have their site promoted.</p> | <p>Compose and perform a group score using a wide variety of timbres, textures, rhythms and motifs.</p> | <p>Vary dynamics of movements or dance, developing actions in time to music with a partner or as a part of a group.</p> |

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| Year 6 Knowledge | <p>Works of art can be significant for many reasons. For example, they are created by key artists of an artistic movement; have influenced other artists; have a new or unique concept or technique or have a famous or important subject.</p> <p>Different artistic movements often use colour in a distinctive way. Expressionist artists use intense, non-naturalistic colours. Impressionist artists use complementary colours. Fauvist artists use flat areas or patches of colour. Naturalist artists use realistic colours.</p> <p>Perspective is the representation of 3-D objects on a 2-D surface. Abstraction refers to art that doesn't depict the world realistically. Figurative art is modern art that shows a strong connection to the real world, especially people. Conceptual art is art where the idea or concept behind the piece is more important than the look of the final piece.</p> <p>In art, distortion is an alteration to an original shape, abstraction refers to art that doesn't depict the world realistically and exaggeration is the depiction of something that is larger than in real life.</p> <p>Strategies used to provide constructive feedback and reflection in art include using positive statements relating to how the learning intentions have been achieved; asking questions about intent, concepts and techniques used and providing points for improvement relating to the learning intention.</p> | <p>It is important to understand the characteristics of different materials to select the most appropriate material for a purpose. This might include flexibility, waterproofing, texture, colour, cost and availability.</p> <p>Mechanical systems can include sliders, levers, linkages, gears, pulleys and cams. Other mechanisms include pneumatics and hydraulics.</p> | <p>A method is a set of clear instructions for how to carry out a scientific investigation, including what equipment to use and observations to make. A variable is something that can be changed during a fair test. A prediction is a statement about what might happen in an investigation based on some prior knowledge or understanding.</p> <p>A shadow appears when an object blocks the passage of light. Apart from some distortion or fuzziness at the edges, shadows are the same shape as the object. The distortion or fuzziness depends on the position or type of light source.</p> | <p>Satellite images are photographs of Earth taken by imaging satellites.</p> | <p>A variety of software, such as word processing software, image editing software or internet services, can be selected, used and combined to meet a goal.</p> <p>Search engines take many factors into account, such as the quality of the site, number of updates or number of matches to keywords. However, search engines do not consider whether the content is true, age-appropriate or relevant, and so users need to be aware of these things when searching.</p> | <p>A score contains all the information musicians need to rehearse and perform a piece of music, including separate lines for each instrument or voice part, notation showing pitch and duration of sounds and markings to show dynamics, such as <i>mp</i> and <i>mf</i>.</p> | <p>In dance, dynamics means how the body moves, in terms of the speed, energy and flow of the movement. For example, the dynamics of a dance could be described as explosive or jerky.</p> |