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|  | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| Nursery D&T | **Can you build a house strong enough to escape the big bad Wolf?**  **Aspect of D&T**  Structures  **Focus**  Combining different resources and materials.  **Project**  Design, build and test a house for the three little pigs.  **NC:**  -Explore different materials freely, in order to develop their ideas about how to use them and what to make.  -Develop their own ideas and then decide which materials to use to express them.  -Join different materials and explore different textures. | **Can you design and create a clay model?**  **Aspect of D&T**  Structures  **Focus**  Combining different resources and materials.  **Project**  Design and create and model using air drying clay.  **NC:**  -Join different materials and explore different textures.  -Create closed shapes with continuous lines, and begin to use these shapes to represent objects.  -Draw with increasing complexity and detail, such as representing a face with a circle and including details. | **Where does our food come from?**  **Aspect of D&T**  Food  **Focus**  Bake and taste different foods.  **Project**  Bake and taste Gruffalo treats.  **NC:**  -Make healthy choices about food, drink, activity and tooth brushing.  -Start to eat independently and learning how to use a knife and fork.  Talk about the differences between materials and changes they notice.  **Enrichment: Baking** | **Where does our food come from?**  **Aspect of D&T**  Structures  **Focus**  Joining materials.  **Project**  Junk modelling a space rocket.  **NC:**  Explore different materials freely, in order to develop their ideas about how to use them and what to make.  -Develop their own ideas and then decide which materials to use to express them.  -Join different materials and explore different textures.  -Create closed shapes with continuous lines, and begin to use these shapes to represent objects.  **Enrichment: Rocket construction.** | **Can you manipulate playdough?**  **Aspect of D&T**  Malleable structures  **Focus**  Use one handed tools to model dough.  **Project**  Manipulate and mould dough to create a recognisable model of an animal.  **NC:**  -Use one-handed tools and equipment, for example, making snips in paper with scissors.  -Show a preference for a dominant hand.  -Explore different materials freely, in order to develop their ideas about how to use them and what to make.  -Create closed shapes with continuous lines, and begin to use these shapes to represent objects.  **Enrichment:** | **Can you collage with fabrics?**  **Aspect of D&T**  Fabrics  **Focus**  Combine different fabrics.  **Project**  Collage with a wide selection of fabrics.  **NC:**  -Explore different materials freely, in order to develop their ideas about how to use them and what to make.  -Develop their own ideas and then decide which materials to use to express them.  -Join different materials and explore different textures.  **Enrichment: Pirate ship construction.** |
| Nursery Art | **Can you use the pointillism technique?**  **Focus**  Pointillism  **Project**  Use cotton buds and the pointillism technique to create an African mask.  **NC:**  Explore colour and colour-mixing.  -Join different materials and explore different textures.  -Create closed shapes with continuous lines, and begin to use these shapes to represent objects.  **Enrichment: After school club – Messy Play** | **Can you colour mix?**  **Focus**  Colour Mixing.  **Project**  Use powder paints to colour mix a monster on the ground.  **NC:**  Explore colour and colour-mixing.  -Create closed shapes with continuous lines, and begin to use these shapes to represent objects.  **Enrichment: Christmas card and calendar crafts.** | **Can you collage?**  **Focus**  Collage  **Project**  Collage different jungle animals. Exploring animal print.  **NC:**  Explore different materials freely, in order to develop their ideas about how to use them and what to make.  -Develop their own ideas and then decide which materials to use to express them.  -Join different materials and explore different textures. | **Can you print?**  **Focus**  Printing  **Project**  Using different resources and equipment to print.  **NC:**  Explore colour and colour-mixing.  -Create closed shapes with continuous lines, and begin to use these shapes to represent objects.  -Draw with increasing complexity and detail, such as representing a face with a circle and including details. | **Can you watercolour?**  **Focus**  Watercolour landscapes.  **Project**  Watercolour African Landscapes and print African Animals.  **NC:**  Explore colour and colour-mixing.  -Join different materials and explore different textures.  -Create closed shapes with continuous lines, and begin to use these shapes to represent objects. | **Can you create silhouettes?**  **Focus**  Silhouette Art.  **Project**  Create a piece of art work using a bats silhouette.  **NC:**  -Create closed shapes with continuous lines, and begin to use these shapes to represent objects.  -Draw with increasing complexity and detail, such as representing a face with a circle and including details. |
| Reception D&T | **Can you make some Gingerbread Men?**  Food  **Focus**  Following a recipe to make and taste new foods.  **Project**  Bake and taste Gingerbread Men like in our story.  **NC:**  -Know and talk about the different factors that support their overall health and wellbeing:- regular physical activity- healthy eating.  -Develop their small motor skills so that they can use a range of tools competently, safely and confidently. Suggested tools: knives, forks and spoons.  **Enrichment:**  Messy Club  Muddy Faces  Baking  Junk Modelling | **Can you make some Salt Dough Decorations?**  Textiles  **Focus**  Following instructions to make salt dough, and decorate.  **Project**  Make and decorate Christmas decorations.  **NC:**  -Create collaboratively sharing ideas, resources and skills.  -Develop their small motor skills so that they can use a range of tools competently, safely and confidently. Suggested tools: pencils for drawing and writing, paintbrushes and playdough tools.  **Enrichment:**  **Baking**  **Salt dough decorations**  **Junk Modelling** | **Can you design and bake Valentines Cookies?**  Food  **Focus**  Designing, baking and decorating biscuits.  **Project**  Design, bake and decorate Valentines Cookies.  **NC:**  -Know and talk about the different factors that support their overall health and wellbeing:- regular physical activity- healthy eating.  -Return to and build on their previous learning, refining ideas and developing their ability to represent them.  **Enrichment:**  Baking  Junk Modelling | **Can you make your own Rocket?**  Structures  **Focus**  Joining materials.  **Project**  Junk modelling a space rocket.  **NC:**  -Create collaboratively sharing ideas, resources and skills.  **-Share their creations, explaining the process they have used.**  **-Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.**  **Enrichment:**  **Baking**  **Junk Modelling** | **Can you make your own Jungle Safari Binoculars?**  Structures  **Focus**  Design and combine resources and materials.  **Project**  Design and make their own binoculars to use in the role play area, searching for jungle animals!  **NC:**  **-Share their creations, explaining the process they have used.**  **-Make use of props and materials when role playing characters in narratives and stories.**  **-Use a range of small tools, including scissors, paint brushes and cutlery.**  **Enrichment:**  **Baking**  **Junk Modelling** | **Can you make and decorate Gummy Worm Octopus Cupcakes?**  Food  **Focus**  Follow a recipe to bake and decorate cupcakes.  **Project**  Bake and decorate a cupcake to look like an Octopus. Can the children follow instructions?  **NC:**  **-Share their creations, explaining the process they have used.**  **-Use a range of small tools, including scissors, paint brushes and cutlery.**  **Enrichment:**  **Baking**  **Junk Modelling** |
| Reception Art | **Can you create your own self – portrait?**  **Focus**  Self Portraits  **Project**  Use the mirrors and coloured paints to create a representation of themselves.  **NC:**  -Explore, use and refine a variety of artistic effects to express their ideas and feelings.  **Enrichment:**  Messy Club  Muddy Faces | **Can you explore colour mixing and collages?**  **Focus**  Colour monster / colour exploration.  **Project**  Children are to explore colour mixing on the messy tray and create their own colour collage related to a mood monster.  **NC:**  -Create collaboratively sharing ideas, resources and skills.  -Explore colours.  **Enrichment:**  **Christmas cards and calendars**  **Messy Club** | **Can you make a Love Tree using various resources?**  **Focus**  Explore a range of materials to create and capture their artistic vision.  **Project**  Children are to explore the resources to create different textures  **NC:**  -Return to and build on their previous learning, refining ideas and developing their ability to represent them.  **Enrichment: Messy Club**  **Mother’s Day Cards** | **Can you print some Tulip paintings using forks?**  **Focus**  Accurately use the printing technique to create an artistic effect.  **Project**  Children are to make their own tulip fork paintings.  **NC:**  **-Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.**  **Enrichment: Messy Club** | **Can you print some Butterfly Symmetry?**  **Focus**  Symmetry printing.  **Project**  Children to use a printing technique to create Butterfly Symmetry pictures.  **NC:**  **-Safely use and explore a variety of materials, and techniques, experimenting with colour, design, texture, form and function.**  **Enrichment:**  **Messy Club** | **Can you make your own Superhero Mask?**  **Focus**  Detailed drawings.  **Project**  Children to decorate their mask and cut it out, using it in the role play area.  **NC:**  **-Make use of props and materials when role playing.**  **-Use a range of small tools, including scissors, paint brushes and cutlery.**  **-Begin to show accuracy and care when drawing.**  **Enrichment: Father’s Day cards**  **Messy Club** |
| Year 1 | **What is the geography of where I live?**  **Aspect of D&T**  Mechanisms  **Focus**  Sliders and Levers  **Project**  Popup book  **NC:**  -Explore and use mechanisms (for example levers), in their products  -Design purposeful, functional and appealing products for themselves and other users based on design criteria.  - Explore and use mechanisms (for example levers, sliders,  wheels and axles) in their products  **Enrichment opportunities**  Messy club  Learning sheds  Muddy faces | **How do our favourite toys and games compare with those of children in the 1960s?**  **Art Focus: Mark Making**  Drawing lines, representing patterns, creating brushstrokes, creating rubbings, Paul Klee Paintings.  **NC:** To develop a wide range of art and design techniques in using colour, pattern, texture,  line, shape, form and space  -To learn about the work of a range of artists, craft makers and designers, describing the  differences and similarities between different practices and disciplines, and making  Links to their own work  -To use a range of materials creatively to design and make products  - To use drawing, painting and sculpture to develop and share their ideas, experiences  and imagination  **Enrichment opportunities**  Messy club  Learning sheds  Muddy faces | **How does the weather affect our lives?**  **Aspects of DT:** Wacky Windmills  KS1 - design purposeful, functional, appealing products for themselves and other users based on design criteria  KS1 - generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology.  KS1 - explore and evaluate a range of existing products  KS1 - build structures, exploring how they can be made stronger, stiffer and more stable  **Enrichment opportunities**  Messy club  LGTB rainbow flag | **What does it take to be a great explorer?**  **Art focus: Colour creations**  to use a range of materials creatively to design and make products  to develop a wide range of art and design techniques in using colour, pattern, texture, line, shape, form and space  about the work of a range of artists, craft makers and designers, describing the differences and similarities between different practices and disciplines, and making links to their own work.  **Enrichment opportunities**  Messy club  BBC 10 pieces | **Why does it matter where my food comes from?**  **Aspect of D&T** Food **Focus** Preparing fruit and vegetables  Project  fruit and vegetable kebabs and soup  NC:  Designing • Design appealing products for a particular user based on simple design criteria. • Generate initial ideas and design criteria through investigating a variety of fruit and vegetables. • Communicate these ideas through talk and drawings. Making • Use simple utensils and equipment to e.g. peel, cut, slice, squeeze, grate and chop safely. • Select from a range of fruit and vegetables according to their characteristics e.g. colour, texture and taste to create a chosen product. Evaluating • Taste and evaluate a range of fruit and vegetables to determine the intended user’s preferences. • Evaluate ideas and finished products against design criteria, including intended user and purpose. Technical knowledge and understanding • Understand where a range of fruit and vegetables come from e.g. farmed or grown at home. • Understand and use basic principles of a healthy and varied diet to prepare dishes, including how fruit and vegetables are part of The eatwell plate. • Know and use technical  **Enrichment opportunities**  Messy club | **Why was Charles sent to prison?**  **Art Focus: Yayoi Kusama**  to use a range of materials creatively to design and make products  to use painting to develop and share their ideas, experiences and imagination  to use sculpture to develop and share their ideas, experiences and imagination  to develop a wide range of art and design techniques in using colour, pattern, texture, line,shape, form and space  about the work of a range of artists, craft makers and designers, describing the differences and similarities between different practices and disciplines, and making links to their own work.  **Enrichment opportunities**  Messy club  Bee portraits |
| Year 2 | **Why is the history of my locality important?**  **Aspect of D&T**  Free Standing Mechanisms  **Focus**  Planning/combining materials to create free standing structures.  **Project**  Buildings then and now / Junk Modelling  **NC:**  -Know how to make freestanding structures stronger, stiffer and more stable.  -Design purposeful, functional and appealing products for themselves and other users based on design criteria.  -Select new and reclaimed materials and construction kits to build their structures.  **Enrichment opportunities**  Messy club  Muddy faces | **Why can’t penguins fly?**  **Self Portrait**  **Art focus**: famous self portraits, sketching pencils and clay self portraits.  **NC:**  -To use a range of materials creatively to design and make products  - To use drawing, painting and sculpture to develop and share their ideas, experiences  and imagination  -To develop a wide range of art and design techniques in using colour, pattern, texture,  line, shape, form and space  -To learn about the work of a range of artists, craft makers and designers, describing the  differences and similarities between different practices and disciplines, and making  Links to their own work.  **Enrichment opportunities**  Messy club  Muddy faces | **Who is the greatest history maker?**  **Who is the greatest history maker?**  **Aspect of D&T**  Mechanisms  **Focus**  Wheels and axels  **Project**  Toy Car  **NC:**  -Design purposeful, functional, appealing products for themselves and other users based on design criteria.  - Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing.  **Enrichment opportunities**  Messy club  LGTB rainbow flag | **Why is Sappho important?**  **Earth Art**  **Art Focus:** Rock painting, stick sculptures, leaf art animals, weaving, mandalas, and collage.  **NC:**  -To use a range of materials creatively to design and make products.  -To use drawing, painting and sculpture to develop and share their ideas, experiences  and imagination  -To develop a wide range of art and design techniques in using colour, pattern, texture, line, shape, form and space  **Enrichment opportunities**  Messy club  BBC 10 pieces | **How is Kampong Ayer different to how I live?**  **How is Kampong Ayer different to where I live?**  **Aspect of D&T**  Textiles  **Focus**  Combing different fabrics and textures.  **Project**  Animal Puppet  **NC:**  -Select from and use a range of textiles according to their characteristics.  -Select from and use a range of tools and equipment to  perform practical tasks.  -Select from and use a wide range of materials including textiles according to their characteristics  **Enrichment opportunities**  Messy club | **Why do we like being beside the seaside?**  Henri Rousseau  **Art Focus**  His life work, skills and techniques. Portrait and landscape jungle animals**.**  **NC:**  To develop a wide range of art and design techniques in using colour, pattern, texture,  line, shape, form and space  -To learn about the work of a range of artists, craft makers and designers, describing the  differences and similarities between different practices and disciplines, and making  Links to their own work  **Enrichment opportunities**  Messy club |
| Year 3 | **Famous Buildings**  **Focus**  **Landscapes**  to create sketch books to record their observations  use sketchbooks to review and revisit ideas  to improve their mastery of art and design techniques, including drawing with a range of materials  to improve their mastery of art and design techniques, including painting with a range of materials  to improve their mastery of art and design techniques, including sculpture with a range of materials  about great architects in history  ENRICHMENT  DT CLUB  ART CLUB | **Levers and Linkages**  **Aspect of D&T**  Mechanisms  **Focus**  Levers and Linkages  **Project**  Recycling poster  **NC:**  Investigate and analyse a range of existing products,  Understand and use mechanical systems in their products (for example levers and linkages)  Use research and develop design criteria to inform the design of innovative, functional and appealing products that are fit for purpose, aimed at individuals or groups  ENRICHMENT  DT CLUB  ART CLUB | **William Morris**  **Focus**  **Famous Artist**  KS2 - improve their mastery of art and design techniques, including drawing with a range of materials  KS2 - about great artists in history  KS2 - about great designers in history  ENRICHMENT  DT CLUB  ART CLUB | **Shell Structures**  **Aspect of D&T**  Structures  **Focus**  Shell structures  **Project**  Kites  **NC**  Understand how key events and individuals in design and technology have helped shape the world  Investigate and analyse a range of existing products  Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities  ENRICHMENT  DT CLUB  ART CLUB | **Seurat and Pointillism**  **Focus**  **Famous Art Style**  KS2 - to create sketch books to record their observations  KS2 - use sketchbooks to review and revisit ideas  KS2 - to improve their mastery of art and design techniques, including painting with a range of materials  KS2 - about great artists in history  ENRICHMENT  DT CLUB  ART CLUB | **2D Shape to 3D Product**  **Aspect of D&T**  Food  **Focus**  2D Shape to 3D Product  **Project**  Bread  **NC**  Understand how key events and individuals in design and technology have helped shape the world  Investigate and analyse a range of existing products  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  ENRICHMENT  DT CLUB  ART CLUB |
| Year 4 | **Sonia Delaunay**  **Focus**  **Famous Artist**  KS2 - to create sketch books to record their observations  KS2 - to improve their mastery of art and design techniques, including drawing with a range of materials  KS2 - about great artists in history  ENRICHMENT  DT CLUB  ART CLUB | **Simple circuits and switches**  **Aspect of D&T**  Electrical systems  **Focus**  Simple circuits and switches  **Project**  Battery operated lights  **NC**  Understand how key events and individuals in design and technology have helped shape the world  Understand and use electrical systems in their products (for example, series circuits, incorporating switches, and bulbs)  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  ENRICHMENT  DT CLUB  ART CLUB | **Plant Art**  **Focus**  **Nature**  KS2 - to create sketch books to record their observations  KS2 - use sketchbooks to review and revisit ideas  KS2 - to improve their mastery of art and design techniques, including drawing with a range of materials  KS2 - to improve their mastery of art and design techniques, including painting with a range of materials  KS2 - to improve their mastery of art and design techniques, including sculpture with a range of materials  KS2 - about great artists in history  ENRICHMENT  DT CLUB  ART CLUB | **Shell Structures CAD**  **Aspect of D&T**  Structures  **Focus**  Shell structures  **Project**  Juggling balls  **NC**  To acquire a broad range of subject knowledge and draw upon disciplines such as mathematics in the context of using graphs to analyse existing juggling balls.  To generate, develop, model and communicate ideas through discussion and annotated sketches in the context of designing a circus themed juggling ball.  To select from and use a range of tools and equipment to perform practical tasks accurately in the context of creating a tie-dye background for a juggling ball.  ENRICHMENT  DT CLUB  ART CLUB | **Recycled Art**  **Focus**  **Sustainability**  to improve their mastery of art and design techniques, including sculpture with a range of materials  ENRICHMENT  DT CLUB  ART CLUB | **Healthy and Varied Diet**  **Aspect of D&T**  Food  **Focus**  Healthy and varied diet  **Project**  Edible garden  **NC**  Understand seasonality and know where and how a variety of ingredients are grown in the context of where and how herbs are grown.  Understand and apply the principles of a healthy and varied diet in the context of making a balanced meal made from herbs.  Understand seasonality and know where and how a variety of ingredients are grown in the context of where and how strawberries are grown.  ENRICHMENT  DT CLUB  ART CLUB |
| Year 5 | ENRICHMENT  DT CLUB  ART CLUB  **Chinese Art**  KS2 - to improve their mastery of art and design techniques, including drawing with a range of materials  KS2 - to improve their mastery of art and design techniques, including painting with a range of materials  KS2 - to improve their mastery of art and design techniques, including sculpture with a range of materials  KS2 - about great artists in history  KS2 - about great designers in history | **Felt Phone Cases**  **Aspect of DT**: Textiles  **Focus**: Combining different fabric shapes  **NC**:  To 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 in the context of creating a design criteria for a mobile phone case.  To generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams in the context of making a paper template for a mobile phone case.  To select from and use a wider range of materials and components, including textiles, according to their functional properties and aesthetic qualities in the context of selecting decorative techniques and fastenings for felt phone cases.  To evaluate their ideas and products against their own design criteria in the context of evaluating a felt phone case against a design criteria created.  ENRICHMENT  DT CLUB  ART CLUB  ENTERPRISE WEEK | ENRICHMENT  DT CLUB  ART CLUB  **Frida Kahlo**  KS2 - to create sketch books to record their observations  KS2 - to improve their mastery of art and design techniques, including drawing with a range of materials  KS2 - to improve their mastery of art and design techniques, including painting with a range of materials  KS2 - to improve their mastery of art and design techniques, including sculpture with a range of materials  KS2 - about great artists in history | **Marbulous Structures**  **Aspect of DT**: Structures  **Focus**: Frame structures  **NC**:  To investigate and analyse a range of existing products in the context of looking at existing free standing structures.  To select from and use a wider range of tools and equipment to perform practical tasks (for example, cutting, shaping, joining and finishing), accurately in the context of joining cardboard tubes accurately together.  To evaluate their ideas against their own design criteria and consider the views of others to improve their work  ENRICHMENT  DT CLUB  ART CLUB | ENRICHMENT  DT CLUB  ART CLUB  **Street Art**  KS2 - use sketchbooks to review and revisit ideas  KS2 - to improve their mastery of art and design techniques, including drawing with a range of materials  KS2 - to improve their mastery of art and design techniques, including painting with a range of materials  KS2 - to improve their mastery of art and design techniques, including sculpture with a range of materials  KS2 - about great artists in history | **Light-Up Signs**  **Aspect of DT**: Electrical Systems  **Focus**: Programming and electronics  **NC**:  To 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  To 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  To evaluate their ideas and products against their own design criteria and consider the views of others to improve their work  To understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]  ENRICHMENT  DT CLUB  ART CLUB |
| Year 6 | **Fairground**  **Aspect of DT**: Electrical Systems  **Focus**: More Complex Switches and Circuits  N.C:  Understanding of the essential characteristics of a series circuit and experience of creating a battery-powered, functional, electrical product.  Use research to develop a design specification for a functional product that responds automatically to changes in the environment. Take account of constraints including time, resources and cost.  Formulate a step-by-step plan to guide making, listing tools, equipment, materials and components.  Continually evaluate and modify the working features of the product to match the initial design specification.  ENRICHMENT  DT CLUB  ART CLUB | **Landscape Artist:**  **Aspect:**  Water Colours  **N.C.**  to improve their mastery of art and design techniques, including drawing with a range of materials  to improve their mastery of art and design techniques, including painting with a range of materials  about great artists in history  ENRICHMENT  DT CLUB  ART CLUB  ENTERPRISE WEEK | **Super Seasonal Cooking**  **Aspect of DT:** Food  **Focus:** Celebrating Culture and Seasonality  **NC:**  Understand seasonality in the context of when fruit and vegetables are in season in Britain.  Understand seasonality and know where and how a variety of ingredients are reared caught and processed in the context of where food is reared, caught and processed in the United Kingdom.  Understand and apply the principles of a healthy and varied diet in the context of the importance of protein in the diet.  Select from a wider range of ingredients, according to their functional properties and aesthetic qualities in the context of selecting ingredients for a seasonal meal. Consider the views of others to improve their work in the context of improving their design for a seasonal meal.  Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques in the context of preparing and cooking a healthy seasonal meal. Evaluate their products against their own design criteria in the context of evaluating their seasonal meals  ENRICHMENT  DT CLUB  ART CLUB | **Sculpting vases**  **Aspect:**  Clay  **NC:**  to create sketch books to record their observations and use them to review and revisit ideas to improve their mastery of art and design techniques, including drawing with a range of materials to improve their mastery of art and design techniques, including painting with a range of materials  to improve their mastery of art and design techniques, including sculpture with a range of materials  about great designers in history  ENRICHMENT  DT CLUB  ART CLUB | **Automata Animals**  **Aspect:** Mechanical Systems  **Focus**: Pulleys and Gears  **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 in the context of researching animals that will be used in their mechanical models  Understand and use mechanical systems in their products (for example cams) in the context of understanding how cams can be used to make a model move.  Understand and use mechanical systems in their products (for example cams) in the context of understanding how changing the shape of the cam changes the movement of the follower  Select from and use a wider range of tools and equipment to perform practical tasks (for example cutting, shaping, joining and finishing), accurately in the context of using tools and equipment to perform the job of cutting, joining and finishing wood to make a frame.  ENRICHMENT  DT CLUB  ART CLUB | **Express Yourself**  **Aspect:**  Wire sculpturing  **NC**:  to improve their mastery of art and design techniques, including drawing with a range of materials to improve their mastery of art and design techniques, including painting with a range of materials  to improve their mastery of art and design techniques, including sculpture with a range of materials  ENRICHMENT  DT CLUB  ART CLUB |