

ELG + Subject Area: EYFS Expressive Arts + Design & KS1 Design & Technology

Question-based Learning Project	<u>Intent</u>  To know...	<u>'Sticky Knowledge'</u>  Interesting Facts  EYFS & National Curriculum		Cultural Capital	Vocabulary
<p><b>Nursery</b></p> <p><b>Why do you love me so much?</b></p> <p><b>Why do leaves go crispy?</b></p> <p><b>How does that building stay up?</b></p>	<ul style="list-style-type: none"> <li>- how to create a paper plate collage of their face</li> <li>- how to create a 3D firework rocket using collage materials and a kitchen roll tube</li> <li>- how to make stick man from a kitchen roll tube and natural materials</li> <li>- how to make a playdough owl using natural resources</li> <li>- how to make a 3D house and bridges from junk modelling</li> </ul>	<p><i>*people have different coloured eyes and different coloured hair</i></p> <p><i>*different fireworks create different sounds, shapes and colours</i></p> <p><i>*Stickman was written by Julia Donaldson, who also wrote the Gruffalo</i></p> <p><i>*Owls can't smell very well and they use their eyes and ears to help them catch food</i></p> <p><i>* Tiles are used on a roof and cement is used as a special glue</i></p>	<p><b>3-4 years:</b></p> <ul style="list-style-type: none"> <li>- explore different materials freely in order to develop their ideas about how to use them and what to make</li> <li>- join different materials &amp; explore different textures</li> <li>- explore different materials freely in order to develop their ideas about how to use them and what to make</li> <li>- join different materials &amp; explore different textures</li> <li>- join different materials &amp; explore different textures</li> <li>- join different materials &amp; explore different textures</li> <li>- explore different materials freely in order to develop their ideas about how to use them and what to make</li> </ul>	<ul style="list-style-type: none"> <li>-mirror work</li> <li>-watch firework displays on the IWB (connected to Diwali)</li> <li>Look for 'stickman' during our Forest School session</li> <li>Watch videos of real owls</li> <li>- Walk around Kilburn looking at the different bridges, buildings</li> </ul>	<ul style="list-style-type: none"> <li>- face, hair, shape, eyes, nose, mouth, chin, cheek, glue, scissors, spread, stick</li> <li>-glue, scissors, spread, stick, attach, press, dry, fire, whoosh</li> <li>-stick, leaves, body, eyes, arms, legs</li> <li>-owl, owlet, beak, eyes, feathers, claws</li> <li>- build, stack, balance, construct, stick, bridge, cross</li> </ul>

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<p><b>Are eggs alive?</b></p>	<p>materials and construction kits</p> <p>- that different textured collage materials can be used to make their houses and collages of houses</p> <p>- about real building tools</p> <p>-how to use ice cubes to make an igloo</p> <p>-how to make a large scale model</p> <p>- how to use different textured collage materials</p>	<p>*The Three little pig’s story is a fairy tale.</p> <p>*hammers are a very old tool</p> <p>*an igloo is a house made of snow</p> <p>*Chinese dragons are used in the celebrations for Chinese New Year</p> <p>*a baby sheep is called a lamb, a baby pig is called a piglet, a baby cow is called a calf and a baby horse is called a foal</p>	<p>- join different materials &amp; explore different textures</p> <p>- develop their own ideas and then decide which materials to use to express them</p> <p>-join different materials &amp; explore different textures</p> <p>-join different materials &amp; explore different textures</p> <p>- join different materials &amp; explore different textures</p>	<p>and any houses being built</p> <p>-under closer supervision introduce a real work bench with real tools</p> <p>- look at pictures and videos of real igloos</p> <p>-Watch Let’s celebrate Chinese New Year (CBeebies)</p> <p>- Incubate eggs to hatch into chicks. Local farmer to bring in ducklings and lamb</p>	<p>-straw, sticks, bricks, strong, weak, wobbly, blow, wolf</p> <p>-hammer, nails, screwdriver, screw, nuts,</p> <p>-build, snow, ice, col, melting, slippy</p> <p>-celebration, party, dragon</p> <p>-mummy, baby, foal, calf, piglet, lamb, chick</p> <p>-stick, glue, scrunch, press, print</p>
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<p><b>Why can't I have chocolate for breakfast?</b></p>	<ul style="list-style-type: none"> <li>- how to create a chick collage</li> <li>- that reclaimed materials can make a caterpillar</li> <li>- ways to attach materials together (split pin ladybird)</li> <li>- that vegetables can be used to create a model (Supertato)</li> <li>- how to use different textured collage materials (our favourite food)</li> </ul>	<ul style="list-style-type: none"> <li>*chicks have an 'egg' tooth on their beak to help them crack out of the shell</li> <li>*it takes 14 days for a caterpillar to emerge from a cocoon into a butterfly</li> <li>*There are lots of different types of ladybirds including ladybirds with black bodies and red spots!</li> <li>*crisps are made from potatoes</li> <li>*pizza is from a country called Italy</li> </ul>	<ul style="list-style-type: none"> <li>- join different materials &amp; explore different textures</li> <li>- join different materials &amp; explore different textures</li> <li>-join different materials &amp; explore different textures</li> <li>-join different materials &amp; explore different textures</li> <li>-Develop their own ideas and then decide which materials to use to express them</li> </ul>	<ul style="list-style-type: none"> <li>-See above</li> <li>-care for caterpillars as they turn into butterflies</li> <li>-mini- beast hunt during forest schools</li> <li>-grow real potatoes</li> <li>-breakfast in nursery with some of our favourite foods</li> <li>'Beach day' in the nursery garden including toy boats in the paddling pool.</li> <li>-look at different types of weaving</li> </ul>	<ul style="list-style-type: none"> <li>-stick, feathers, soft, fluffy, tickly</li> <li>-caterpillar, cocoon, body, eyes</li> <li>- split pin, attach, bend, care, move</li> <li>- googly eyes, split pins, belt, mask, attach, stick, bend</li> <li>- stick, cut, glue, bend, wrap, fold, scrunch, paper plate</li> <li>- sail, stick, float, sink, attach, glue, stick</li> <li>- weave, in, out, under, over</li> </ul>
<p><b>How many pebbles on the beach?</b></p>	<ul style="list-style-type: none"> <li>- how to construct a boat with reclaimed materials</li> <li>-how to paper weave</li> </ul>	<ul style="list-style-type: none"> <li>*Boats can be made from plastic, wood or metal!</li> <li>*you can weave with material, wool, ribbon and paper</li> </ul>	<ul style="list-style-type: none"> <li>Develop their own ideas and then decide which materials to use to express them</li> <li>-join different materials &amp; explore different textures</li> </ul>		

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<p><b>Reception</b></p> <p><b>What Do I Celebrate?</b></p> <p><b>Do You Fly, Walk or Swim?</b></p> <p><b>Are we there yet?</b></p>	<p>- different materials can be used to design and make a diva lamp</p> <p>- different materials can be used to design, make and evaluate a sock puppet</p> <p>- different materials can be used to design, make and evaluate a 3d vehicle model</p>	<p>* Diwali is the Hindu festival of light</p> <p>* Snakes used to have legs many years ago</p> <p>* Some snakes have legs under their skin</p> <p>* The first electric tram in England was opened in 1885 in Blackpool</p>	<p><b>Reception</b></p> <ul style="list-style-type: none"> <li>- explore, use and refine a variety of artistic effects to express their ideas and feelings.</li> <li>- return to and build on their previous learning, refining ideas and developing their ability to represent them.</li> <li>- create collaboratively sharing ideas, resources and skills.</li> </ul> <p><b><u>ELG -Creating with Materials</u></b></p> <ul style="list-style-type: none"> <li>- safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.</li> <li>- share their creations, explaining the process they have used.</li> </ul> <p><b><u>ELG - Physical Development</u></b></p> <ul style="list-style-type: none"> <li>- 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, scissors, knives, forks and spoons.</li> </ul> <p><b><u>ELG</u></b></p> <ul style="list-style-type: none"> <li>- Use a range of small tools, including scissors, paintbrushes and cutlery.</li> <li>- Begin to show accuracy and care when drawing</li> </ul>	<ul style="list-style-type: none"> <li>- Diwali celebrations</li> <li>- reptile handling experience</li> <li>- visit to Crich Tramway Museum</li> </ul>	<ul style="list-style-type: none"> <li>- design, make, choose choice, individual, idea</li> <li>- evaluate, decide</li> </ul>
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<p><b>Year 1</b></p> <p><b>What will you see in Space?</b></p> <p><b>What can you tell me about London?</b></p> <p><b>Year 2</b></p> <p><b>What makes a Magnificent Monarch?</b></p> <p><b>Who lives in a habitat like this?</b></p> <p><b>Why should we protect our planet?</b></p>	<p>- how to design rockets/moon buggies using axles</p> <p>- how to design a moving picture using levers and sliders</p> <p>- how to design, make, evaluate, technical knowledge</p> <p>- how to design a castle using hinges &amp; pulley</p> <p>- how to design a hand puppet</p> <p>- how to design a healthy wrap</p>	<p><i>* Apollo 11 was the first rocket to the moon</i></p> <p><i>* There are 775 rooms in Buckingham Palace</i></p>	<p><b>Design</b></p> <p>- design purposeful, functional appealing products for themselves &amp; other users based on design criteria</p> <p>- generate, develop, model &amp; communicate their own ideas through talking, drawing templates, mock-ups, &amp; where appropriate, information &amp; communication technology</p>	<p>- visit to the Space Centre</p> <p>- Afternoon tea with the Queen</p>  <p>- visit to Bolsover Castle</p> <p>- visit to Yorkshire Wildlife Park</p> <p>- Beach Day</p>	<p>- design</p>     <p>- product</p> <p>- criteria</p> <p>- mock up</p> <p>- template</p>
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<p><b>How did we travel from then to now?</b></p>	<p>- how to design a moving vehicle with a fixed/non-fixed axle</p>			<p>- visit to Newark Air Museum</p>	<p>- fixed axle - rotate</p>
<p><b>Year 1</b></p>					
<p><b>What will you see in Space?</b></p>	<p>- how to make rockets/moon buggies exploring different joining techniques</p>	<p><i>* Apollo 11 was the first rocket to the moon</i></p>	<p><b>Make</b> - select from &amp; use a range of tools &amp; equipment to perform practical tasks e.g. cutting, shaping, joining, finishing - select from &amp; use a wide range of materials &amp; components including construction materials, textiles &amp; ingredients, according to their components</p>	<p>- visit to the Space Centre</p>	<p>- cutting - shaping</p>
<p><b>What can you tell me about London?</b></p>	<p>- how to make a moving picture exploring different joining techniques</p>	<p><i>* There are 775 rooms in Buckingham Palace</i></p>		<p>- Afternoon tea with the Queen</p>	
<p><b>Year 2</b></p>					
<p><b>What makes a Magnificent Monarch?</b></p>	<p>- how to make a castle using a saw &amp; selecting the most effective joining techniques</p>			<p>- visit to Bolsover Castle</p>	<p>- joining - finishing - cutting</p>
<p><b>Who lives in a habitat like this?</b></p>	<p>- how to make a hand puppet</p>				

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<p><b>How did we travel from then to now?</b></p> <p><b>Why should we protect our planet?</b></p>	<p>- how to make a moving vehicle</p> <p>- how to make a healthy wrap</p>			<p>- use produce grown from Owl garden</p>	
<p><b>Year 1</b></p> <p><b>What will you see in Space?</b></p> <p><b>What can you tell me about London?</b></p> <p><b>Year 2</b></p> <p><b>What makes a Magnificent Monarch?</b></p> <p><b>Who lives in a habitat like this?</b></p>	<p>- that we can evaluate own rockets/moon buggies we have made</p> <p>- that we can evaluate own moving picture we have made</p> <p>- that we can evaluate own castle we have made</p> <p>- that we can evaluate their own hand puppet</p>	<p><i>* Apollo 11 was the first rocket to the moon</i></p> <p><i>* There are 775 rooms in Buckingham Palace</i></p>	<p><b>Evaluate</b></p> <p>- explore &amp; evaluate a range of existing products</p> <p>- evaluate their ideas &amp; products against design criteria</p>	<p>- visit to the Space Centre</p> <p>- Afternoon tea with the Queen</p> <p>- visit to Bolsover Castle</p>	<p>- evaluate</p> <p>- product</p> <p>- design</p>

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<p><b>Why should we protect our planet?</b></p> <p><b>How did we travel from then to now?</b></p>	<p>- that we can evaluate own healthy wrap</p> <p>- we can evaluate own vehicle</p>			<p>- Beach Day</p> <p>- use produce grown from Owl garden</p> <p>- visit to Newark Air Museum</p>	<p>- fixed axle</p> <p>- rotate</p> <p>- non fixed</p>
<p><b>Year 1</b></p> <p><b>What will we see in Space?</b></p> <p><b>What can you tell me about London?</b></p> <p><b>Year 2</b></p> <p><b>What makes a Magnificent Monarch?</b></p>	<p>- how to make a moon buggy using wheels &amp; axles</p> <p>- how to make moving pictures using levers &amp; sliders</p> <p>- how to make a castle using effective cutting techniques</p>	<p><i>* Apollo 11 was the first rocket to the moon</i></p> <p><i>* There are 775 rooms in Buckingham Palace</i></p> <p><i>* At Warwick Castle the Gatehouse Towers were built later</i></p>	<p><b>Technical Knowledge</b></p> <p>- build structures, exploring how they can be made stronger, stiffer &amp; more stable</p> <p>- explore &amp; use mechanisms in their products e.g. levers, sliders, wheels, axles</p>	<p>- visit to the Space Centre</p> <p>- Afternoon tea with the Queen</p>	<p>- strong</p> <p>- stiff</p> <p>- stable</p> <p>- lever</p> <p>- sliders</p> <p>- wheels</p> <p>- axles</p> <p>- strength</p> <p>- stability</p> <p>- structure</p>

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<p><b>Who lives in a habitat like this?</b></p>	<ul style="list-style-type: none"> <li>- how to sew</li> <li>- how to make a hand puppet</li> <li>exploring the most effective joining techniques</li> </ul>			<ul style="list-style-type: none"> <li>- visit to Yorkshire Wildlife Park</li> </ul>	<ul style="list-style-type: none"> <li>- mock up, template</li> <li>- cutting, joining</li>   <li>- winder</li> <li>- mechanism</li> <li>- test</li> </ul>
<p><b>How did we travel from then to now?</b></p>	<ul style="list-style-type: none"> <li>- how to make a moving vehicle with a fixed/non-fixed axle</li> </ul>				