

**DT Overview Guidance** – Years A and B to ensure curriculum is delivered.

**Yellow Highlighted** is the key DT area to be taught through the 4 elements of Design, Make, Evaluate and Technical Knowledge

Use the skills progression grid to inform and guide teaching and assessment.

Activities listed are an example of how to facilitate a DT block of learning, building on previous experiences and learning.

**KS 1, Mixed age group Years 1 & 2**

**DT Rolling programme A**

Autumn	Spring	Summer
<p><b>A. DT Focus - Sliders / Flaps / Springs</b>  <b>Activity suggestion</b> - Christmas Cards/ Story illustration</p> <p><b>Design</b></p> <ul style="list-style-type: none"> <li>Explore / evaluate flap and slider books and images - who are they for? Why does it have a moving part?</li> <li>explore, collect and annotate Christmas card designs / illustrations from books</li> <li>experiment making a slit cut for a slider/ flap to hide image using different papers, card, lollipop sticks, straws etc</li> <li>design a Christmas card /or illustration for their story image and note where the slider / flap will be (ICT PAINT opportunity)</li> </ul> <p><b>Make</b></p> <ul style="list-style-type: none"> <li>select the apt materials and tools to make a successful Christmas card / story illustration (e.g. paper / card, glue / cellotape etc)</li> </ul> <p><b>Evaluate</b></p> <ul style="list-style-type: none"> <li>using the explorations in design, create a success criteria</li> </ul> <p>evaluate own image against the criteria</p> <p>Enrichment: local illustrator</p>	<p><b>A. DT Focus - Cooking / Nutrition</b>  <b>Activity suggestion</b> - Exotic fruit salad</p> <p><b>Design</b></p> <ul style="list-style-type: none"> <li>Explore using senses, a traditional basic fruit salad (taste, smell, colours)</li> <li>Create a criteria of what makes it appeal</li> <li>What is important for the "eater"?</li> <li>Use collage / computer / paint etc to design their own fruit salad. Label where poss / explain choices</li> </ul> <p><b>Make</b></p> <ul style="list-style-type: none"> <li>Identify which tools and equipment are needed. Discuss safety and health</li> <li>Explore in play dough etc cutting, slicing, chopping. Create plasticine meal</li> <li>Make a healthy exotic fruit salad referring to their plan</li> </ul> <p><b>Evaluate</b></p> <ul style="list-style-type: none"> <li>Link to maths and data, responses from fruit salad tasting</li> </ul> <p>Enrichment: Links with parents / local supermarket visit – food tasting etc</p>	<p><b>A. DT Focus - Structures</b>  <b>Activity suggestion</b> – Design and make a Strong, safe tower / building</p> <p><b>Design</b></p> <ul style="list-style-type: none"> <li>Explore toy castles, building towers with construction, play area climbing frames, building with boxes etc.</li> <li>Identify purpose of the building and what is must be (does it need to look nice? Decorated? Functional? Strong?)</li> <li>Design a strong tower / building for the playmobil / lego / small world knights</li> </ul> <p><b>Make</b></p> <ul style="list-style-type: none"> <li>Choose apt materials to build with.</li> <li>Challenge children to create a strong tower for the playmobil knights.</li> </ul> <p><b>Evaluate</b></p> <ul style="list-style-type: none"> <li>Test it. What works? What needs improving? What needs taking away? Why?</li> </ul> <p>Give opportunity for children to return to their structure and make it stronger / stiffer / more stable</p> <p>Enrichment: Visit to a castle, links with local architect, builder or bricklayer</p>

Autumn	Spring	Summer
<p><b>B. DT Focus - Wheels, axles</b>  <b>Activity suggestion</b> - 3 little pigs / fire of London</p> <p><b>Design</b></p> <ul style="list-style-type: none"> <li>Use either of the stories to identify a need for a moving vehicle / machinery/ transport e.g. cart for carrying sticks / gunpowder. Discuss and explore it's purpose.</li> <li>Use construction to make and explore a prototype to find out what is needed to make their own moving transport – platform, wheels, axle, join</li> </ul> <p><b>Make</b></p> <ul style="list-style-type: none"> <li>Select materials, tools etc informed by their design to make their product</li> </ul> <p><b>Evaluate</b></p> <ul style="list-style-type: none"> <li>Test using lego bricks / sticks / stones to carry or transport or lift</li> </ul> <p>Note what works / doesn't</p>	<p><b>B. DT Focus - Cooking / Nutrition</b>  <b>Activity suggestion</b> – homegrown / seasonal salad</p> <p><b>Design</b></p> <ul style="list-style-type: none"> <li>Explore using senses, a traditional basic salad (taste, smell, colours)</li> <li>Create a criteria of what makes it appeal</li> <li>Use collage / computer / paint etc to design their own salad. Label where poss / explain choices</li> </ul> <p><b>Make</b></p> <ul style="list-style-type: none"> <li>Identify which tools and equipment are needed. Discuss safety and health</li> <li>Explore in play dough etc cutting, slicing, chopping. Create plasticine meal</li> <li>Make a vegetable salad / spring salad using local produce</li> </ul> <p><b>Evaluate</b> –</p> <ul style="list-style-type: none"> <li>taste and respond</li> <li>Market research opportunity – data collection computing</li> </ul>	<p><b>B. DT Focus – computer coding</b>  <b>Activity suggestion</b> – design a seaside BeeBot mat and write a program for BeeBot</p> <p><b>Design</b></p> <ul style="list-style-type: none"> <li>Look at different seaside maps and bee Bot mats</li> <li>What is the purpose? Explore simple jigsaw puzzles – pieces coming together to make one image</li> <li>What does Bee Bot need? Space? Movement measurements, landmarks and objects his size etc</li> <li>Design a simple pirate / seaside map</li> </ul> <p><b>Make</b></p> <ul style="list-style-type: none"> <li>Group work – choose different elements of each person's map to make a large one.</li> <li>Use the ipad to “paint” / “draw” your square for the group Bee Bot mat</li> <li>What lines / marks / lpad tools will you need / use?</li> <li>Print</li> </ul> <p><b>Evaluate</b> –</p> <p>Is it effective? How? Why? Anything that you could improve?</p>
Enrichment: local garage / mechanic	Enrichment: Visit / links with local community gardens and allotments	Enrichment: <a href="https://www.stem.org.uk/resources/elibrary/resource/35426/pirate-themed-bee-bot-mat">https://www.stem.org.uk/resources/elibrary/resource/35426/pirate-themed-bee-bot-mat</a>

#### Places to visit

- Techniquet, Cardiff <https://www.techniquet.org/> workshops, exploration
- We The Curious, Bristol <https://www.wethecurious.org/> cooking workshops, experiences and theme days science and DT