

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

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

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