KS2 & 3 DT Overview LTP (Skills/Theory)

|  | **Autumn 1** | **Autumn 2** | | **Spring 1** | **Spring 2** | | **Summer 1** | | **Summer 2** |
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| **Year 5** | **Textiles & Design:** plan and create a cross stitch bookmark.  Thread needle; stop stitch; cross stitch; running stitch | | | **Food & Nutrition:**  Identify healthy & unhealthy foods; Introduction to Eatwell guide; Understand foods originating from plant & animals  Food tasting & smoothie making | | | **RM & Design**: plan and create a jigsaw  Introduce design process; sanding; accurate measuring to cm; introduction to hand tools; introduction to cutting straight lines; introduction of cutting curved lines; scroll saw driving test | | |
| **Year 6** | **Textiles & Design**: plan and create a minion keyring.  Thread needle; stop stitch; double knot; running stitch; blanket stitch, whip stitch; annotated designs | | | **Food & Nutrition:**  Understand the principles of a healthy diet; develop understanding of the Eatwell guide; understand seasonality; foods from around the world; learn where & how certain ingredients are grown, reared, caught and processed  Introduction to practical cooking.  Introduction to knife skills; introduction to basic health & safety in food room | | | **RM & Design:** plan and create a wooden bot.  Introduce design process using ACCESSFM; introduce safety in workshop; safe use of hand tools; safe use of pillar drill, how to use a try square; sanding; introduction to measuring using cm; conversion of cm to mm  Design then create a night light.  Introduce circuits; complete circuit with use of battery & LED | | |
| **Year 7** | **RM**: maze game  Accurate measuring & cutting to nearest mm; introduction to workshop health & safety; introduction to circular sander; introduction to pillar drill; introduction to use of screw; introduction of pilot holes | | **Food & Nutrition**: sugars & impact upon body  Knife skills; safe use of cooker & oven; safe handling of raw meat; weigh; fold; slice; dice; mince; peel | | **RM & Design:** clock Introduction to cutting curves; introduction to man made woods & acrylic; finding the centre point, reviewing & refining in the design process; use of files; how to finish a product with varnish, wax & paint | | | **Textiles**: cushion & cover  Introduction of sewing machines; Introduction of CAD using embroidery machines; seam allowances; final fastener | |
| **Year 8** | **RM:** pencil box  Introduction to hammering; independent use of machines (circular sander, pillar drill, hegner saw); understanding differences between soft wood, hard wood and man made woods; introduction to joints | | **Food:** nutrition across lifecycle  Knife skills; safe use of cooker & oven; safe handling of raw meat; slice; dice; mince; peel | | **Transition Project for High School** | **RM:** materials theory  Introduction to materials, understanding key vocabulary, natural woods, man-made woods, plastics, metals, screws, nails, finishes | | **Textiles**: sock monkey  Thread needle; stop stitch; double knot; running stitch; back stitch; annotated designs; attach buttons; blanket stitch; outfit design using prototype | |