|  |  |  |
| --- | --- | --- |
| **Curriculum Overview Year 1**  **KEY: Current Year D&T Unit**  **History Geography Art Science Reading Strategy**  History | | |
|  | | |
| **Prior Learning in Early Years**  **EYFS Framework Link**  **Expressive Arts and Design (EAD)**  **Physical Development (PD)**  **Personal, Social and Emotional Development (PSED)**  **Guidance and statements below are taken from Development Matters.**  **Vocabulary**  **Throughout Early Years children should be immersed in high quality subject specific language, related to the whole DT curriculum. The most important vocabulary we expect them to hear and use is set out below.** | **Year 1 Curriculum Take Aways**  **CROSS-CURRICULAR LINKS:**  **Mechanical Components (Autumn 2): Everyday Materials, Transport Through the Ages, Dogger**  **Food & Nutrition (Spring 2): Animals Including Humans** | **Subsequent Year’s Curriculum Take Aways**  **CROSS-CURRICULAR LINKS:**  **Mechanical Components (Autumn 2): Victorian Railways (Y2)**  **Food & Nutrition (Spring 2): Animals Including Humans (Y2)** |
| $Early Years - Mechanical Components$ | $Year 1 - Mechanical Components$ | $Year 3 - Mechanical Components$ |
| **Vocabulary**   * attach * build * make * remove * transport * vehicle * wheel | **Vocabulary**   * **axle** * **chassis** * **circular** * **fixed** * **freely moving** * **move** * **vehicle** * **wheel** | **Vocabulary**   * **arm** * **effort** * **fulcrum** * **labelled sketch** * **lever** * **load** * **machine** * **pulley** * **shaduf** |
| $Early Years - Food and Nutrition$ | $Year 1 - Food and Nutrition$ | $Year 2 - Food and Nutrition$ |
| **Vocabulary**   |  |  |  | | --- | --- | --- | | * chop * cut * fruit * healthy * juicy * peel | * juicy * skin * sweet * pip * rough * seed | * smooth * snack * sour * texture * taste * vegetables | | **Vocabulary**   |  |  |  | | --- | --- | --- | | * **bridge** * **chopping board** * **claw** * **cut** * **fruit** * **fork secure** | * **healthy** * **mix** * **portion prepare** * **rough** * **smooth** * **sour** | * **sweet** * **taste** * **texture** * **utensil** * **vegetables** | | **Vocabulary**   |  |  | | --- | --- | | * **caught** | * **healthy** | | * **chop** | * **measure** | | * **disinfect** | * **measuring spoon** | | * **farmed** | * **peel** | | * **farmer** | * **portion** | | * **grater** | * **salsa** | | * **guacamole** | * **skin** | |  | * **varied diet** | |

|  |  |  |
| --- | --- | --- |
| **Curriculum Overview Year 2** | | |
| **KEY: Current Year D&T Unit**  **History Geography Art Science Reading Strategy**  History | | |
| **Prior Year’s Curriculum Take Aways** | **Year 2 Curriculum Take Aways**  **CROSS-CURRICULAR LINKS:**  **Construction (Autumn): Great Fire of London**  **Textiles (Spring 2): Printing, Mexico**  **Food & Nutrition (Spring 2): Mexico** | **Subsequent Year’s Curriculum Take Aways** |
| $Early Years - Construction$ | $Year 2 - Construction$ | $Year 3 - Construction$ |
| |  |  | | --- | --- | | **Vocabulary**   * **arch** * **build** * **bigger** * **heavy** * **height** * **high** * **light** * **little** | * **low** * **measure** * **straight** * **tall** * **tower** * **weight** | | **Vocabulary**   |  |  | | --- | --- | | * **architect** * **construction** * **double-sided tape** * **evaluation** * **free-standing structure** * **glitter glue** * **glue stick** * **joining materials** * **masking tape** * **mock-up** | * **net** * **paper clips** * **parcel tape** * **PVA glue** * **ruler** * **scissors** * **Sellotape** * **split pins** * **stable** * **staples** | | **Vocabulary**   * **base** * **buttress** * **hidden join** * **labelled sketch** * **score** * **stability** |
| $Year 1 - Food and Nutrition$ | $Year 2 - Food and Nutrition$ | $Year 3 - Food and Nutrition$ |
| **Vocabulary**   |  |  |  | | --- | --- | --- | | * **bridge** * **chopping board** * **claw** * **cut** * **fruit** * **fork secure** | * **healthy** * **mix** * **portion prepare** * **rough** * **smooth** * **sour** | * **sweet** * **taste** * **texture** * **utensil** * **vegetables** | | **Vocabulary**   |  |  | | --- | --- | | * **caught** | * **healthy** | | * **chop** | * **measure** | | * **disinfect** | * **measuring spoon** | | * **farmed** | * **peel** | | * **farmer** | * **portion** | | * **grater** | * **salsa** | | * **guacamole** | * **skin** | |  | * **varied diet** | | **Vocabulary**   * **baking** * **benching** * **dough** * **fermentation** * **gluten** * **kneading** * **leavening** * **proofing** * **yeast** |
| $Early Years - Textiles$ | $Year 2 - Textiles$ | $Year 4 - Textiles$ |
| **Vocabulary**   * **cut** * **design** * **hard** * **materials** * **rough** * **select** * **smooth** * **soft** * **texture** | **Vocabulary**   * **designer** * **fabric** * **join** * **lining** * **needles** * **overstitch** * **pins** * **template** * **thread** | **Vocabulary**   * **annotated sketches** * **back stitch** * **catch stitch** * **fray** * **gathering** * **hem** * **knife pleat** * **running stitch** * **seam** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Curriculum Overview Year 3**  **KEY: Current Year D&T Unit**  **History Geography Art Science Reading Strategy**  History | | | | |
|  | | | | |
| **Prior Year’s Curriculum Take Aways** | **Year 3 Curriculum Take Aways**  **CROSS-CURRICULAR LINKS:**  **Construction (Autumn 2): Iron Age**  **Electrical Systems (Spring 1): Light, History of Coalmining**  **Mechanical Components (Summer 1): Ancient Egyptians, Forces & Magnets**  **Food & Nutrition (Summer 2): Ancient Egyptians** | **Subsequent Year’s Curriculum Take Aways**  **CROSS-CURRICULAR LINKS:**  **Electrical Systems (Spring 1): Electricity (Y4)**  **Mechanical Components (Summer 2): Forces (Y5)** | | |
| $Year 2 - Construction$ | $Year 3 - Construction$ | $Year 4 - Construction and CAD$ | | |
| $Year 4 - Construction$ | | |
| **Vocabulary**   |  |  | | --- | --- | | * **architect** * **construction** * **design brief** * **double-sided tape** * **evaluation** * **free-standing structure** * **glitter glue** * **glue stick** * **joining materials** * **masking tape** * **mock-up** | * **net** * **paper clips** * **parcel tape** * **PVA glue** * **ruler** * **scissors** * **Sellotape** * **split pins** * **stable** * **staples** | | **Vocabulary**   * **base** * **buttress** * **hidden join** * **labelled sketch** * **score** * **stability** | **Vocabulary- Construction**   * **3-D** * **corrugating** * **deconstruct** * **dome structure** * **flaps** * **joining tabs** * **laminating** * **net** * **reinforce** * **ribbing** * **scoring**   **shell structure** | **Vocabulary- CAD**   * **CAD** * **Copy** * **dimensions** * **gridlines** * **locking** * **paste** * **software** * **zoom** | **Vocabulary- Construction**   * **annotated sketch** * **bench hook** * **butt joint** * **diagonal brace** * **frame** * **groove** * **gusset** * **prototype**   **sawing** |
| $Year 2 – Food and Nutrition$ | $Year 3 – Food and Nutrition$ | $Year 6 – Food and Nutrition$ | | |
| **Vocabulary**   |  |  | | --- | --- | | * **caught** | * **healthy** | | * **chop** | * **measure** | | * **disinfect** | * **measuring spoon** | | * **farmed** | * **peel** | | * **farmer** | * **portion** | | * **grater** | * **salsa** | | * **guacamole** | * **skin** | |  | * **varied diet** | | **Vocabulary**   * **baking** * **benching** * **dough** * **fermentation** * **gluten** * **kneading** * **leavening** * **proofing** * **yeast** | **Vocabulary**   * **barn laid** * **cage-reared** * **cross-contamination** * **dice** * **free-range** * **imported/importation** * **local produce** * **nutritional content (nutrients)** * **processed** * **seasonality** * **slice** * **sustainable** | | |
| $Early Years - Electrical Components$ | $Year 3 - Electrical Components$ | $Year 6 - Electrical Components$ | | |
| **Vocabulary**   |  |  | | --- | --- | | * **change** * **bright** * **dark** * **dull** * **light** * **listen** | * **look** * **on** * **off** * **switch** * **torch** | | **Vocabulary**   * **battery** * **bulb** * **circuit** * **components** * **electrical current** * **flame resistant** * **flaw** * **light** * **switch** * **wire** | **Vocabulary – Electrical Components**   * **bulb** * **buzzer** * **cell** * **circuit** * **components** * **drawn to scale** * **functionality** * **series circuit** * **switch** * **wires** | | |
| $Year 1 - Mechanical Components$ | $Year 3 - Mechanical Components$ | $Year 5 - Mechanical Components$ | | |
| **Vocabulary**   * **axle** * **cab** * **chassis** * **fixed** * **freely moving** * **vehicle** * **wheel** | **Vocabulary**   * **arm** * **effort** * **fulcrum** * **labelled sketch** * **lever** * **load** * **machine** * **pulley** * **shaduf** * **wheel** | **Vocabulary**   * **coaxial gears** * **compound pulley** * **direction** * **exploded diagram** * **fixed pulley** * **gear** * **mechanical component** * **moveable pulley** * **prototype** * **ratio** * **speed** * **teeth** * **turning force** | | |
|  |  |  | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Curriculum Overview Year 4** | | | | |
| **KEY: Current Year D&T Unit**  **History Geography Art Science Reading Strategy**  History | | | | |
| **Prior Year’s Curriculum Take Aways** | **Year 4 Curriculum Take Aways**  **CROSS-CURRICULAR LINKS:**  **Construction (Autumn 1): Vikings (Autumn)**  **Textiles (Summer 1): Mayans (summer 1)**  **Construction (Summer 2): Living Things and Their Habitats (Summer 2)** | | | **Subsequent Year’s Take Aways** |
| $Year 3 - Construction$ | $Year 4 - Construction and CAD$ | | | $Year 7 - Construction and CAD$ |
| $Year 4 - Construction$ | | |
| **Vocabulary**   * **base** * **buttress** * **hidden join** * **labelled sketch** * **score** * **stability** | **Vocabulary- Construction**   * **3-D** * **corrugating** * **deconstruct** * **dome structure** * **flaps** * **joining tabs** * **laminating** * **net** * **reinforce** * **ribbing** * **scoring** * **shell structure** | **Vocabulary- CAD**   * **CAD** * **Copy** * **dimensions** * **gridlines** * **locking** * **paste** * **software** * **zoom** | **Vocabulary- Construction**   * **annotated sketch** * **bench hook** * **butt joint** * **diagonal brace** * **frame** * **groove** * **gusset** * **prototype** * **sawing** | **Vocabulary**   * **vertical** * **horizontal** * **CAD** * **industry** * **machines** * **manufactured wood** |
| $Year 2 - Textiles$ | $Year 4 - Textiles$ | | | $Year 7 - Textiles$ |
| **Vocabulary**   * **designer** * **fabric** * **join** * **lining** * **needles** * **overstitch** * **pins** * **template** * **thread** | **Vocabulary**   * **annotated sketches** * **back stitch** * **catch stitch** * **fray** * **gathering** * **hem** * **knife pleat** * **running stitch** * **seam** | | | **Vocabulary**   * **templates** * **batch production** |

|  |  |  |
| --- | --- | --- |
| **Curriculum Overview Year 5**  **KEY: Current Year D&T Unit**  **History Geography Art Science Reading Strategy**  History | | |
|  | | |
| **Prior Year’s Curriculum Take Aways**  **CROSS-CURRICULAR LINKS:**  **Mechanical Components (Spring 1): Forces (Y3)** | **Year 5 Curriculum Take Aways**  **CROSS-CURRICULAR LINKS:**  **Mechanisms (Spring): Earth & Space (Spring 1), Forces (Spring 2)** | **Subsequent Year’s Curriculum Take Aways** |
| $Year 3 - Mechanical Components$ | $Year 5 - Mechanical Components$ | $Year 7 - Mechanical Components$ |
| **Vocabulary**   * **arm** * **effort** * **fulcrum** * **labelled sketch** * **lever** * **load** * **machine** * **pulley** * **shaduf** * **wheel** | **Vocabulary**   * **coaxial gears** * **compound pulley** * **direction** * **exploded diagram** * **fixed pulley** * **gear** * **mechanical component** * **moveable pulley** * **prototype** * **ratio** * **speed** * **teeth** * **turning force** | **Vocabulary**   * **linear movement** * **oscillating movement** * **reciprocating movement** * **rotary movement** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Curriculum Overview Year 6**  **KEY: Current Year D&T Unit**  **History Geography Art Science Reading Strategy**  History | | | |
|  | | | |
| **Prior Year’s Curriculum Take Aways**  **CROSS-CURRICULAR LINKS:**  **Electrical Systems (Spring 1): Electricity (Y4), History of Coalmining (Y3)**  **Food & Nutrition (Summer 2): Seasons & Weather (Y1)** | **Year 6 Curriculum Take Aways**  **CROSS-CURRICULAR LINKS:**  **Electrical Systems (Spring): Electricity (Spring 1), Battle of Britain (Spring)**  **Food & Nutrition (Summer 2): South America (Summer)** | | **Subsequent Year’s Curriculum Content** |
| $Year 3 - Food and Nutrition$ | $Year 6 - Food and Nutrition$ | | $Year 7 - Food and Nutrition$ |
| **Vocabulary**   * **baking** * **benching** * **dough** * **fermentation** * **gluten** * **kneading** * **leavening** * **proofing** * **yeast** | **Vocabulary**   * **barn laid** * **cage-reared** * **cross-contamination** * **dice** * **free-range** * **imported/importation** * **local produce** * **nutritional content (nutrients)** * **processed** * **seasonality** * **slice** * **sustainable** | | **Vocabulary**   * **adaptation** * **affordability** * **critique** * **nutrition** * **palate** * **preparation** * **technique** * **texture** * **variety** |
| $Year 3 - Electrical Components$ | $Year 6 - Electrical Components$ | | $Year 7 - Electrical Components$ |
| **Vocabulary**   * **battery** * **bulb** * **circuit** * **components** * **electrical current** * **flame resistant** * **flaw** * **light** * **switch** * **wire** | **Vocabulary – Electrical Components**   * **bulb** * **buzzer** * **cell** * **circuit** * **components** * **drawn to scale** * **functionality** * **series circuit** * **switch** * **wires** | **Vocabulary –CAM**   * **CAM** * **coding** * **input** * **output** | **Vocabulary**   * **biomimicry** * **communicate** * **complexity** * **functionality** * **generate** * **innovate** * **scenario** * **troubleshoot** * **user-friendly** |