

Craft, Design and Technology (CDT): BROAD GENERAL EDUCATION CURRICULUM MAP

	June – November	December – March	April – June
S1	<p>Design and Manufacture</p> <ul style="list-style-type: none"> • Workshop Safety • Acrylic Keyring Manufacture • Material Properties <p>Assessment: Quality of completed work assessed</p> <p><i>I can recognise basic properties and uses for a variety of materials and can discuss which ones are most suitable for a given task.</i> TCH 2-10a</p> <p>Graphic Communication</p> <ul style="list-style-type: none"> • Logo Design • Introduction to DTP software (Serif) <p>Assessment: Quality of completed work assessed.</p> <p><i>I can use a range of graphic techniques, manually and digitally, to communicate ideas, concepts or products, experimenting with the use of shape, colour and texture to enhance my work.</i> TCH 2-11a</p>	<p>Design and Manufacture</p> <ul style="list-style-type: none"> • Spatula Design <p>Assessment: Self-assessment</p> <p><i>I can extend and enhance my design skills to solve problems and can construct models.</i> TCH 2-09a</p> <p>Graphic Communication</p> <ul style="list-style-type: none"> • Freehand Sketching and Rendering <p>Assessment: Self-assessment</p> <p><i>I can use a range of graphic techniques, manually and digitally, to communicate ideas, concepts or products, experimenting with the use of shape, colour and texture to enhance my work.</i> TCH 2-11a</p>	<p>Design and Manufacture</p> <ul style="list-style-type: none"> • Spatula Manufacture <p>Assessment: Self-assessment of manufacture stages. Teacher assessment of independence of work and knowledge shown throughout the manufacture process.</p> <p><i>I can extend and enhance my design skills to solve problems and can construct models.</i> TCH 2-09a</p>

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S2	<p>Design and Manufacture</p> <ul style="list-style-type: none"> Spatula Manufacture continued <p>Assessment: Self-assessment throughout the process and teacher will assess the final product for quality of finish. Pupils will produce a sequence of operations detailing how they made their spatula, this is used for pupils to show their knowledge gained throughout the project.</p> <p><i>I can extend and enhance my design skills to solve problems and can construct models.</i></p> <p style="text-align: right;">TCH 2-09a</p> <p>Graphic Communication</p> <ul style="list-style-type: none"> Orthographic Drawings using Drawing boards <p>Assessment: Assessment drawing given at the end of the unit.</p> <p><i>I can apply a range of graphic techniques and standards when producing images using sketching, drawing and software.</i></p> <p style="text-align: right;">TCH 3-11a</p>	<p>Graphic Communication</p> <ul style="list-style-type: none"> Sketching and rendering Techniques Introduction to CAD software <p>Assessment: Self-assessment of drawings. Teacher will assess work throughout the unit during class time.</p> <p><i>I can apply a range of graphic techniques and standards when producing images using sketching, drawing and software.</i></p> <p style="text-align: right;">TCH 3-11a</p>	<p>Design and Manufacture</p> <ul style="list-style-type: none"> Pencil Case Manufacture (This may be an IDL project with Art and Design). <p>Assessment: Self-assessment of manufacture stages and quality of finish.</p> <p><i>I can create solutions in 3D and 2D and can justify the construction/graphic methods and the design features.</i></p> <p style="text-align: right;">TCH 3-09a</p>

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S3	<p>Graphic Communication</p> <ul style="list-style-type: none"> • Orthographic Drawing and sketching • Creating a corporate identity. <p>Assessment: The drawing increase in difficulty as the pupil progresses through the unit so assessment is done by how much of the booklet the pupil completes and on the accuracy and neatness of the finished drawings. For the corporate identity unit the assessment in continual throughout the task and on the completed design.</p> <p><i>I can extend my use of manual and digital graphic techniques to realise ideas, concepts and products and recognise the importance of real world standards.</i></p> <p align="right">TCH 4-11</p>	<p>Design and Manufacture</p> <ul style="list-style-type: none"> • Introduction to the Design Process • Recap of Health and Safety requirements • Pewter casting design project – possible IDL with Art and Design • Start practical projects in the workshop. <p>Assessment: Teacher assessment of the design folio. Self-assessment for practical projects.</p> <p><i>I can apply design thinking skills when designing and manufacturing models/products which satisfy the user or client.</i></p> <p align="right">TCH 4-09a</p> <p><i>I consider the material performance as well as sustainability of materials and apply these to real world tasks.</i></p> <p align="right">TCH 4-10a</p>	<p>Graphic Communication</p> <ul style="list-style-type: none"> • Layout elements and principles • Producing a promotional piece • Robot Project, using CAD to create a robot and 3D print your item. <p>Assessment: Final promotional piece and CAD work will be assessed throughout the process through independence of work and complex shapes used within their design.</p> <p><i>I can extend my use of manual and digital graphic techniques to realise ideas, concepts and products and recognise the importance of real world standards.</i></p> <p align="right">TCH 4-11a</p>	<p>Design and Manufacture</p> <ul style="list-style-type: none"> • Practical projects-Stool, screwdriver, spurtle. <p>Assessment: Teacher, self and peer assessment of work produced.</p> <p><i>I can apply design thinking skills when designing and manufacturing models/products which satisfy the user or client.</i></p> <p align="right">TCH 4-09a</p>	<p>Graphic Communication</p> <ul style="list-style-type: none"> • Pictorial Drawings on the drawing board and freehand sketching • Graphic Design Competition with Edinburgh College Creative Industries Faculty <p>Assessment: Quality of completed drawing will be assessed.</p> <p><i>I can extend my use of manual and digital graphic techniques to realise ideas, concepts and products and recognise the importance of real world standards.</i></p> <p align="right">TCH 4-11a</p>	<p>Design and Manufacture</p> <ul style="list-style-type: none"> • Continue a practical projects • Design process revision <p>Assessment: Final product assessed plus pupil's level of knowledge shown throughout the project.</p> <p><i>I can apply design thinking skills when designing and manufacturing models/products which satisfy the user or client.</i></p> <p align="right">TCH 4-09a</p>

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