

KEY STAGE 3 DESIGN TECHNOLOGY YEAR 7

<p>Introduction to Technology</p> <p>Year 7 (Max 3 lessons)</p>	<ul style="list-style-type: none"> Welcome, seating plans, expectations and behaviour. Introduction to projects that the students will do in Yr7- show examples Health & Safety expectations, machines and PPE. 	<p>Monitoring 1 Baseline assessment task-various questions to assess drawing, literacy and numeracy skills.</p>	<p>Hand out:</p> <ul style="list-style-type: none"> Pupil booklets Pupil wallets Stickers for names and targets <p>Complete all details:</p> <ul style="list-style-type: none"> Name Register order Class & Form Targets for pupil
<p>LANTERN LIGHT PROJECT</p>	<p><u>Designing and making a Lantern light.</u></p> <p>Introduction to design brief, and mind map.</p> <ul style="list-style-type: none"> Research task - cultural symbols and lights (M2) Generate creative design ideas in response to design brief -annotated and rendered. (M3) Final idea and justified reasons for selection. Manufacturing the product from pine wood. Finished product is (M4) Self evaluation and peer assessment. 	<p>Monitoring 2 (M2) (RESEARCHING) - Research page of cultural symbols and lantern lights Grade 7, 8 & 9: Some students could produce creative responses to the brief and include detailed and well justified analysis about a wide range of existing products. Grade 6, 5 & 4: Most students will analyse a range of images in detail and include justified and reflective comments. Grade 3, 2 & 1: All students to produce brief analysis and research about a small number of existing products.</p> <p>Monitoring 3 (M3) (DESIGNING) - Creative Ideas for lantern light project Grade 7, 8 & 9: Some students could produce creative responses to the brief using their research to help them and include detailed and justified annotation. Grade 6, 5 & 4: Most students will produce some creative ideas and will have explained ideas in some detail. Grade 3, 2 & 1: All students to produce some basic ideas and include little or basic annotation to explain them.</p> <p>Monitoring 4 (M4) (MAKING) - Final Making of product Grade 7, 8 & 9: Some students could produce a high quality final product which clearly meets the design brief. Students are able to comment on how their product could be improved if needed. Grade 6, 5 & 4: Most students will produce a good quality product which is finished and relates to the brief. Grade 3, 2 & 1: All students to complete their final product using different tools, but may not be completed to a high quality.</p>	
<p>WARNING SIGN PROJECT</p>	<p><u>Designing and making and warning sign or name plaque for a door.</u></p> <p>Introduction to signs, symbols and electronics Inc. safety of soldering. Design brief and target user considered Generate design ideas to brief, including annotation and rendering. Final idea drawn(CAD produced?) Producing Graphics on card and adding colour Soldering components to create circuit Testing and Evaluations (M5) End of Year Test (M6)</p>	<p>Monitoring 5 (M5) (EVALUATING AND TESTING) - Self and Peer Assessment of Final Product. Grade 7, 8 & 9: Some students have critically evaluated their work including reflective comments on how they can improve. Grade 6, 5 & 4: Most students will evaluate their work including comments on what they like and dislike Grade 3,2, & 1: All students to produce some basic evaluative comments about their work, with little consideration of how they could improve.</p> <p>Monitoring 6 (M6) (END OF YEAR TEST) An end of year test will assess students on what they have learnt over the year within the subject.</p>	

KEY STAGE 3 DESIGN TECHNOLOGY YEAR 8

<p>Introduction to Technology</p> <p>Year 8 (Max 3 lessons)</p>	<ul style="list-style-type: none"> Welcome, seating plans, expectations and behaviour. Introduction to projects that the students will do in Yr7- show examples Health & Safety expectations, machines and PPE. 	<p><u>Monitoring 1</u> Baseline assessment task-various questions to assess drawing, literacy and numeracy skills.</p>	<p>Hand out:</p> <ul style="list-style-type: none"> Pupil booklets Pupil wallets Stickers for names and targets <p>Complete all details:</p> <ul style="list-style-type: none"> Name Register order Class & Form Targets for pupil
<p>CLOCK PROJECT</p>	<p>Designing and making a clock in the style of a famous designer or design movement.</p> <p>Introduction to design brief, and mind map.</p> <p>Research chosen designer/ design movement and produce research page. <u>(M2)</u></p> <p>Generate creative design ideas- annotated and rendered. <u>(M3)</u></p> <p>Final idea and justified reasons for selection.</p> <p>Manufacturing the product from MDF wood. CAD/CAM elements included Finished product is <u>(M4)</u></p> <p>Self evaluation and peer assessment.</p>	<p><u>Monitoring 2 (RESEARCHING)</u>-Research page link to famous designer or design movement. <u>Grade 7, 8 & 9:</u> Some students could produce creative responses to the brief and include detailed and justified analysis about their chosen designer/movement. <u>Grade 6, 5 & 4:</u> Most students will analyse their research in detail and produce creative design ideas. <u>Grade 3, 2 & 1:</u> All students to produce some basic research of their designer with little description.</p> <p><u>Monitoring 3 (DESIGNING)</u>-Creative Ideas for designer inspire clock <u>Grade 7, 8 & 9:</u> Some students could produce creative responses to the brief using their research to help them and include detailed and justified analysis. <u>Grade 6, 5 & 4:</u> Most students will produce some creative ideas and will have explained ideas in some detail. <u>Grade 3, 2 & 1:</u> All students to produce some basic ideas and include little or basic annotation to explain them.</p> <p><u>Monitoring 4 (MAKING)</u>- Final Making of product <u>Grade 7, 8 & 9:</u> Some students could produce a high quality final product which clearly meets the design brief. Students are able to comment on how their product could be improved if needed. <u>Grade 6, 5 & 4:</u> Most students will produce a good quality product which is finished and relates to the design brief. <u>Grade 3, 2 & 1:</u> All students to complete their final product using different tools, but may not be to a high quality.</p>	
<p>SPEAKER PROJECT</p>	<p>Designing and making an MP3 Speaker.</p> <p>Design brief and target user identified. Research page of speakers relating to target user. Generate design ideas to brief, including annotation and rendering. Teacher Demo- construction and soldering. Students do work relating to this. Manufacturing product using various tools Testing and Evaluations <u>(M5)</u></p>	<p><u>Monitoring 5 (EVALUATING AND TESTING)</u>- Self and Peer Assessment of Final Product. <u>Grade 7, 8 & 9:</u> Some students have critically evaluated their work including commenting on how they could improve. <u>Grade 6, 5 & 4:</u> Most students will evaluate their work including comments on what they like and dislike <u>Grade 3, 2 & 1:</u> All students to produce some basic evaluative comments about their work, with little consideration of how they could improve.</p> <p><u>Monitoring 6 (END OF YEAR TEST)</u> An end of year test will assess students on what they have learnt over the year within the subject.</p>	

KEY STAGE 3 DESIGN TECHNOLOGY YEAR 9

<p>Introduction to Technology</p> <p>Year 9 (Max 3 lessons)</p>	<ul style="list-style-type: none"> Welcome, seating plans, expectations and behaviour. Introduction to projects that the students will do in Yr7- show examples Health & Safety expectations, machines and PPE. 	<p>Monitoring 1 Baseline assessment task-various questions to assess drawing, literacy and numeracy skills.</p>	<p>Hand out:</p> <ul style="list-style-type: none"> Pupil booklets Pupil wallets Stickers for names and targets <p>Complete all details:</p> <ul style="list-style-type: none"> Name Register order Class & Form Targets for pupil
<p>WOODEN BOX PROJECT</p>	<p>Designing and making a Wooden box. This could be for a range of purposes from being a memory box to a storage box for revision cards. (Designing own band logo) Introduction to design brief, and mind map.</p> <p>Research and disassembly of existing storage boxes and analyse them against criteria (M2)</p> <p>Generate creative design ideas- annotated and rendered. (M3)</p> <p>Card modelling of Final idea to scale Final idea and justified reasons for selection.</p> <p>Manufacturing the product from MDF or pine wood. CAD/CAM elements included Finished product is (M4)</p> <p>Self evaluation and peer assessment.</p>	<p>Monitoring 2 (RESEARCHING)- Research page link to storage boxes Grade 7, 8 & 9: Some students could produce creative responses to the brief and include detailed and justified analysis about a range of storage boxes. Grade 6, 5 & 4: Most students will analyse a number of different boxes and include some annotation and evaluation of them including own opinions. Grade 3, 2 & 1: All students to produce some basic research of storage boxes and include basic annotation and explanation about them.</p> <p>Monitoring 3 (DESIGNING)- Creative Ideas for storage box. (does it have to be square?!) Grade 7, 8 & 9: Some students could produce creative responses to the brief using their research to help them and include detailed and justified analysis. Link to target user and material selection. Grade 6, 5 & 4: Most students will produce some creative ideas and will have explained ideas in some detail. Some references to target market highlighted. Grade 3, 2 & 1: All students to produce some basic ideas and include basic annotation to explain them.</p> <p>Monitoring 4 (MAKING)- Final Making of product Grade 7, 8 & 9: Some students could produce a high quality final product which clearly meets the design brief. Students are able to comment on how their product could be improved if needed. Grade 6, 5 & 4: Most students will produce a good quality product which is finished and relates to the design brief. Grade 3, 2 & 1: All students to complete their final product using different tools, but may not be to a high quality.</p>	
<p>TYRE GAUGE PROJECT</p>	<p>Designing and making a Tyre gauge.</p> <p>Design brief and target user identified.</p> <p>Research of types of metals Precious/Ferrous/Non Ferrous and name metals under these</p> <p>Teacher Demos - How to make (in sections). Manufacturing product using various tools Testing and Evaluations (M5)</p>	<p>Monitoring 5 (EVALUATING AND TESTING) Self and Peer Assessment of Final Product. Grade 7, 8 & 9: Some students have critically evaluated their work including commenting on how they could improve. Grade 6, 5 & 4: Most students will evaluate their work including comments on what they like and dislike Grade 3, 2 & 1: All students to produce some basic evaluative comments about their work, with little consideration of how they could improve.</p> <p>Monitoring 6 (END OF YEAR TEST) An end of year test will assess students on what they have learnt over the year within the subject.</p>	