

KS3 Technology Curriculum Map

		Research Ideas.	Experiment and improve work.	Record ideas.	Final outcome.
Year 9	3	<ul style="list-style-type: none"> I can draw and label multiple ideas that relate to the design brief I can annotate my design ideas to show I have drawn inspiration from research of existing products I can show evidence in my designs of allowing for cultural differences where appropriate I can produce detailed product designs that are innovative and complex I can demonstrate a high degree of complexity, innovation and individual flair in my product designs 	<ul style="list-style-type: none"> I can choose and use tools/equipment with independence and a high degree of dexterity and mastery throughout practical work I can make a product which demonstrates a high level of precision in its final outcome I can make a product with a high quality of finish I can make a product with strong aesthetic appeal and a degree of individuality I can make a product with unique and distinctive aesthetics I can use a standard range of techniques and methods in the manufacture of my product I can suggest alternative ways to make my product throughout the making process to ensure a quality outcome, recording this with words and pictures 	<ul style="list-style-type: none"> I can continuously evaluate the successes and shortcomings of my project throughout the designing and making process I can evaluate, in detail, the successes and shortcomings of my project at every point in the designing and making process I can refer to other people's comments when making my evaluation I can make a detailed comparison between my product and existing products, using it to justify my choices I can carry out detailed and thorough tests in order to identify strengths and weaknesses in both the product and the designing and making process 	A series of high level project including a built electronic circuit completed to high/ precise level with a completed workbook to a similar level.
	2	<ul style="list-style-type: none"> I can draw and label multiple ideas that relate to the design brief I can annotate my design ideas to show I have drawn inspiration from research of existing products I can show evidence in my designs of allowing for cultural differences where appropriate I can produce detailed product designs that are somewhat complex 	<ul style="list-style-type: none"> I can choose and use tools/equipment with independence and a high degree of dexterity and mastery throughout practical work I can make a product which demonstrates a level of precision in its final outcome I can make a product with a high quality of finish I can make a product with strong aesthetic appeal and a degree of individuality I can suggest alternative ways to make my product throughout the making process to ensure a quality outcome, recording this with words and pictures 	<ul style="list-style-type: none"> I can continuously evaluate the successes and shortcomings of my project throughout the designing and making process I can evaluate, in detail, the successes and shortcomings of my project at every point in the designing and making process I can refer to other people's comments when making my evaluation I can carry out detailed and thorough tests in order to identify strengths and weaknesses in both the product and the designing and making process 	A series of high level project including a built electronic circuit completed to a medium/ good level with a completed workbook to a similar level.
	1	<ul style="list-style-type: none"> I can draw and label multiple ideas that relate to the design brief 	<ul style="list-style-type: none"> I can choose and use tools/equipment with independence and a high degree of dexterity and mastery throughout practical work I can make a product which demonstrates a high level of accuracy in its final outcome 	<ul style="list-style-type: none"> I can continuously evaluate the successes and shortcomings of my project throughout the designing and making process 	A series of high level project including a built electronic circuit completed to low level with a completed workbook to a similar level.

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Year 8	3	<ul style="list-style-type: none"> I can draw two distinct ideas that relate to the design brief I can use several distinct design approaches to generate design ideas I can talk about my ideas with my teacher and explain the reason behind the design I can show a variety of different ideas that cater for different people's likes and tastes, with some reference to my research I can produce detailed product designs that show creativity and some complexity 	<ul style="list-style-type: none"> I can choose and use tools/equipment correctly and safely all the time I can choose and use tools/equipment with some independence, dexterity and knowledge of correct sequencing during practical work I can make a product which demonstrates a moderate level of accuracy in its final outcome I can make a product which demonstrates moderate complexity of design and construction I can make a product with some aesthetic appeal I can use a standard range of techniques and methods in the manufacture of my product 	<ul style="list-style-type: none"> I can identify in writing where my product was successful and where it requires improvement I can evaluate which parts of the designing and making process have been successful and which require improvement I can refer to all the points in the design specification when making my evaluation I can carry out detailed tests on my product in order to identify its strengths and weaknesses 	A series of medium difficulty level project including a basic built electronic circuit completed to high level with a completed workbook to a similar level.
	2	<ul style="list-style-type: none"> I can draw two distinct ideas that relate to the design brief I can talk about my ideas with my teacher and explain the reason behind the design 	<ul style="list-style-type: none"> I can choose and use tools/equipment correctly and safely all the time I can choose and use tools/equipment with some independence, dexterity and knowledge of correct sequencing during practical work I can make a product which demonstrates a moderate level of accuracy in its final outcome I can make a product with some aesthetic appeal 	<ul style="list-style-type: none"> I can identify in writing where my product was successful and where it requires improvement I can evaluate which parts of the designing and making process have been successful and which require improvement I can refer to all the points in the design specification when making my evaluation 	A series of medium difficulty level project including a basic built electronic circuit completed to medium/ good level with a completed workbook to a similar level.
	1	<ul style="list-style-type: none"> I can draw two distinct ideas that relate to the design brief I can talk about my ideas with my teacher and explain the reason behind the design 	<ul style="list-style-type: none"> I can choose and use tools/equipment correctly and safely all the time I can make a product which demonstrates a moderate level of accuracy in its final outcome 	<ul style="list-style-type: none"> I can identify in writing where my product was successful and where it requires improvement I can refer to all the points in the design specification when making my evaluation 	A series of medium difficulty level project including a basic built electronic circuit completed to low level with a completed workbook to a similar level. (some sections may be missing)

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Year 7	3	<ul style="list-style-type: none"> I can draw three basic design ideas I can draw one idea related to the design brief using a recognised drawing technique I can use one recognised design approach to generate a design idea I can show creativity in the designs for my product 	<ul style="list-style-type: none"> I can choose and use tools/equipment with help or supervision I can choose and use tools/equipment correctly and safely some of the time I can make a product which demonstrates a low level of accuracy relative to the intended outcome I can make a product with a high quality of finish I can make a product which is simply designed and constructed 	<ul style="list-style-type: none"> I can identify verbally where my product was successful and where it requires improvement I can refer to some points in the design specification when making my evaluation I can compare my product to existing products I can perform some basic tests on my product I can carry out brief tests on my product in order to identify its strengths and weaknesses 	A series of basic level projects which may/may not include a basic built electronic circuit completed to high level with a completed workbook to a similar level.
	2	<ul style="list-style-type: none"> I can draw two basic design ideas I can draw one idea related to the design brief using a recognised drawing technique 	<ul style="list-style-type: none"> I can choose and use tools/equipment with help or supervision I can choose and use tools/equipment correctly and safely some of the time I can make a product which demonstrates a low level of accuracy relative to the intended outcome I can make a product with a medium quality of finish I can make a product which is simply designed and constructed 	<ul style="list-style-type: none"> I can identify verbally where my product was successful and where it requires improvement I can refer to some points in the design specification when making my evaluation I can compare my product to existing products I can perform some basic tests on my product 	A series of basic level projects which may/may not include a basic built electronic circuit completed to medium/ good level with a completed workbook to a similar level.
	1	<ul style="list-style-type: none"> I can draw one design idea 	<ul style="list-style-type: none"> I can choose and use tools/equipment I can choose and use tools/equipment correctly and safely some of the time with help or supervision I can make a product which demonstrates a low level of accuracy relative to the intended outcome I can make a product with a low quality of finish 	<ul style="list-style-type: none"> I can select appropriate comments evaluating my product, working from statements prepared by a teacher I can identify verbally where my product was successful and where it requires improvement 	A series of basic level projects which may/may not include a basic built electronic circuit completed to low level with a completed workbook to a similar level. (some sections may be missing)