

# Curriculum Map

## Faculty of Arts and Design

<b>Subject: Design and Technology</b>							
<b>Key Stage 3:</b>		<b>Autumn 1</b>	<b>Autumn 2</b>	<b>Spring 1</b>	<b>Spring 2</b>	<b>Summer 1</b>	<b>Summer 2</b>
<b>Year 7</b>	Unit(s):	7-1 H&S, Electronics Celebration Card Bridge Project 7-2 FT Healthy Eating 7-3 TT Fleecy Bag/ RM Bookends		7-1 TT Fleecy Bag/ RM Bookends 7-2 H&S, Electronics Celebration Card Bridge Project 7-3 Healthy Eating		7-1 FT Healthy Eating 7-2 TT Fleecy Bag/ RM Bookends 7-3 H&S, Electronics Celebration Card Bridge Project	
	Grade Range:	L3-6		L3-6		L3-6	
	Key Assessment	Project Design and Making Assessment at the end of the individual projects		Project Design and Making Assessment at the end of the individual projects		Project Design and Making Assessment at the end of the individual projects	
	SMSC / British Values	2,4,8,11		2,4,8,11		2,4,8,11	
<b>Year 8</b>	Unit(s):	8-1 RM Powered Vehicle 8-2 FT Balanced Diet 8-3 RM Powered Vehicle 8-4 TT Juggling Balls	8-1 FT Balanced Diet 8-2 RM Powered Vehicle 8-3 TT Juggling Balls 8-4 RM Powered Vehicle	8-1 RM Vac. Form Desk Tidy 8-2 TT Juggling Balls 8-3FT Balanced Diet 8-4 RM Vac Form Desk Tidy	8-1 TT Juggling Balls 8-2 RM Vac Form Desk Tidy 8-3 RM Vac Form Desk Tidy 8-4 FT Balanced Diet		
	Grade Range:	L3-6	L3-6	L3-6	L3-6		
	Key Assessment	Project Design and Making Assessment at the end of the individual projects	Project Design and Making Assessment at the end of the individual projects	Project Design and Making Assessment at the end of the individual projects	Project Design and Making Assessment at the end of the individual projects	Project Design and Making Assessment at the end of the individual projects	
	SMSC / British Values	2,4, 8,10	2,4, 8,10	2,4, 8,10	2,4, 8,10	2,4, 8,10	
<b>Year 9</b>	Unit(s):	9-1 GP Exhib. Design 9-2 TT Drawstring Bag 9-3 GP Exhib. Design	9-1 TT 9-2 GP Exhib. Design 9-3 FT Cultural Food	9-1 FT Cultural Food 9-2 Cosmetics/POS 9-3 TT Drawstring Bag	9-1 Cosmetics/ POS 9-2 FT Cultural Food 9-3 Cosmetics POS		

		<b>9-4 FT Cultural Food</b>	<b>9-4 GP Exhib. Design</b>	<b>9-3 Cosmetics/ POS</b>	<b>9-4TT Drawstring Bag</b>
	Grade Range:	<b>L4-8</b>	<b>L4-8</b>	<b>L4-8</b>	<b>L4-8</b>
	Key Assessment	<b>Project Design and Making Assessment at the end of the individual projects</b>	<b>Project Design and Making Assessment at the end of the individual projects</b>	<b>Project Design and Making Assessment at the end of the individual projects</b>	<b>Project Design and Making Assessment at the end of the individual projects</b>
	SMSC / British Values	<b>2,4, 8,10</b>	<b>2,4, 8,10</b>	<b>2,4, 8,10</b>	<b>2,4, 8,10</b>

**SMSC/ British Values Key:**

1. A sense of Awe being inspired by human achievement
2. Creativity, expressing innermost thoughts and feelings through arts and crafts.
3. Valuing pupils' questions and give them space for their own thoughts and ideas
4. Developing expressive and/ or creative impulses
5. Recognise and nurture particular gifts and talents providing opportunities for pupils to participate in design and crafts, and encouraging pupils To reflect on their significance
6. Development of a willingness to participate in artistic and cultural activities
7. Development of regard for the heights of human achievement in all cultures and societies
8. Encourage pupils to take responsibility for their actions, health and safety, care of the environment, and developing codes of behaviour
9. Reinforce the schools values through images, classroom displays etc.
10. Developing a desire to explore their own and others view
11. Work successfully as a member of a team or a group

# Curriculum Map

## Subject: Design and Technology

Key Stage 4:		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 10 GRAPHIC PRODUCTS	Unit(s):	Graphic Products-Style Café Project-Design	Graphic Products-Style Café Project Manufacture	Unit 2 Design and Making Practice-Coursework Project, Game Project-Primary Research  Unit 1 Written Paper Materials and Components	Unit 2 Design and Making Practice-GCSE Graphic Products-Coursework Project, Game Project Initial Design Ideas  Unit 1 Written Paper Des. And Market influences, Designers, Techniques and processes	Unit 2 Design and Making Practice-GCSE Graphic Products-Coursework Project, Game Project- Dev. of Design Ideas  Unit 1 Written Paper Sketching, enhancement, presentation, pictorial drawings, working drawings	Unit 2 Design and Making Practice-GCSE Graphic Products-Coursework Project, Game Project- Box/ Surface Graphics-Manufacture  Unit 1 Written Paper Surface development, Information drawings, paper and card engineering
	Grade Range:	A*-U	A*-U	A*-U	A*-U	A*-U	A*-U
	Key Assessment	Project Assessment at the end of Design of Style Café	Project Assessment at the end of the manufacture of the Style Café. O/A Project Assessment	Unit 2 Design and Making Practice-Primary research assessed at the end of Primary Research Stage  Unit 1 Written Paper Materials and Components Test	Unit 2 Design and Making Practice-Initial Design ideas assessed at the end of Spring Term 2  Unit 1 Written Paper Des. And Market influences, Designers, Techniques and processes test	Unit 2 Design and Making Practice-Dev. of Design Ideas assessed at the end of Summer Term 1  Unit 1 Written Paper Sketching, enhancement, presentation, pictorial drawings, working drawings test	Unit 2 Design and Making Practice-Dev. Of Surface graphics/ Box Net and manufacture of Games Box, marked at the end of Summer 2  Unit 1 Written Paper Surface development, Information drawings, paper and card

							engineering test
	SMSC / British Values	2,3,4,6,7,8	2,3,4,6,7,8	2,3,4,6,7,8	2,3,4,6,7,8	2,3,4,6,7,8	2,3,4,6,7,8
<b>Year 10 FOOD PREP. AND NUTRITION</b>	Unit(s):	<b>Unit 1 Food nutrition and health</b>  Design and make sauces- starch based, reduction and emulsion	<b>Unit 2 Food Science</b>  Dough - bread	<b>Unit 2 Food Science</b>  Dough – pastry, pasta	<b>Unit 3 Food Safety</b>  Meat and fish	<b>Unit 4 food Choice</b>  Setting mixtures	<b>Unit 5 Food Provenance</b>  Raising agents
	Grade Range:	9 - 1	9 - 1	9 - 1	9 - 1	9 - 1	9 - 1
	Key Assessment	Written paper Unit 1 Food nutrition and health	Written paper Unit 2 Food Science	Written paper Unit 2 Food Science	Written paper Unit 3 Food Safety	Written paper Unit 4 food Choice	Written paper Unit 5 Food Provenance
	SMSC / British Values	1,3,4,5,6,7,8,10,11	1,3,4,5,6,7,8,10,11	1,3,4,5,6,7,8,10,11	1,3,4,5,6,7,8,10,11	1,3,4,5,6,7,8,10,11	1,3,4,5,6,7,8,10,11
<b>Year 11 GRAPHIC PRODUCTS</b>	Unit(s):	<b>Unit 2 Design and Making Practice-Coursework Project - Design of the interior of Games Box</b>  <b>Unit 1 Written Paper Products and applications,</b>	<b>Unit 2 Design and Making Practice-Coursework Project Manufacture of the vac. Formed plastic games tray</b>  <b>Unit 1 Written Paper</b>	<b>Unit 2 Design and Making Practice-Coursework Project - Design of the Games Board and Games Pieces</b>  <b>Unit 1 Written Paper Processes and</b>	<b>Unit 2 Design and Making Practice-Coursework Project Manufacture of the Games Board and games pieces. Completion of Coursework</b>	<b>Unit 2 Design and Making Practice-Coursework Project – Testing and Evaluation</b>  <b>Unit 1 Written Paper</b>  <b>Exam Revision</b>	

		evaluation techniques	Social Cultural, moral, environmental, economic and sustainability issues	Manufacture	Unit 1 Written Paper Industrial Practices		
	Grade Range:	A*-U	A*-U	A*-U	A*-U	A*-U	
	Key Assessment	Unit 2 Design and Making Practice- assessment of the design of the plastic games tray	Unit 2 Design and Making Practice-	Unit 2 Design and Making Practice-	Unit 2 Design and Making Practice-	Unit 2 Design and Making Practice-	
	SMSC / British Values	2,3,4,6,7,8	2,3,4,6,7,8	2,3,4,6,7,8	2,3,4,6,7,8	2,3,4,6,7,8	
<b>Year 11 FOOD TECH.</b>	Unit(s):	Unit 2 Design and Making Coursework - Developing design ideas, practical sessions producing initial ideas  Unit 1 material and components practical food skills, function of ingredients, nutritional properties of food	Unit 2 Design and Making Coursework - Developing design ideas, practical sessions and adaptation of ideas  Unit 1 material and components practical food skills Designing and market influence – product	Unit 2 Design and Making Coursework – completion of adaptations and manufacture of final product. Testing and Evaluation  Unit 1 material and components practical food skills – select and combine foods to achieve different outcomes,	Unit 1 Written Paper – prep material for exam Exam revision	Unit 1 Written Paper –Exam revision	

			prototype development	prototype development			
	Grade Range:	A*-U	A*-U	A*-U	A*-U	A*-U	A*-U
	Key Assessment	Unit 2 Design and Making Practice-assessment of coursework in portfolio and practicals	Unit 2 Design and Making Practice-assessment of coursework in portfolio and practicals	Unit 2 Design and Making Practice-assessment of coursework in portfolio and practicals	Unit 2 Design and Making Practice-assessment of coursework in portfolio		
	SMSC / British Values	2,3,4,6,7,8	2,3,4,6,7,8	2,3,4,6,7,8	2,3,4,6,7,8	2,3,4,6,7,8	
<b>Year 11 TEXTILES TECH.</b>	Unit(s):	Unit 2 Design and Making Coursework - Developing design ideas, practical sessions testing textile techniques	Unit 2 Design and Making Coursework - Developing design ideas, practical mock- up of garment	Unit 2 Design and Making Coursework – completion of adaptations and manufacture of final product. Testing and Evaluation	Unit 2 Design and Making Coursework –. Testing and Evaluation  Unit 1 Written Paper – prep material for exam Exam revision	Unit 1 Written Paper –Exam revision	Unit 1 Written Paper –Exam revision
	Grade Range:	A*-U	A*-U	A*-U	A*-U	A*-U	A*-U
	Key Assessment	Unit 2 Design and Making Practice-assessment of coursework in portfolio and practicals	Unit 2 Design and Making Practice-assessment of coursework in portfolio and practicals	Unit 2 Design and Making Practice-assessment of coursework in portfolio and practicals	Unit 2 Design and Making Practice-assessment of coursework in portfolio		

	SMSC / British Values	2,3,4,6,7,8	2,3,4,6,7,8	2,3,4,6,7,8	2,3,4,6,7,8	2,3,4,6,7,8	2,3,4,6,7,8

**End of course external assessment:**

# Curriculum Map

## Subject: Design and Technology- Product Design, Graphic Products

Key Stage 5:		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 13	Unit(s):	<p>Unit 4 Commercial Design (coursework Project) Research and Analysis Product Spec. Initial Design</p> <p>Unit 3 (Exam Unit) Industrial and Commercial Practice, ICT, Digital Special Effects, Biotechnology</p>	<p>Unit 4 (Coursework) Dev. Of Design Planning</p> <p>Unit 3 (Exam Unit) Systems and Control, Manufacturing Systems, CIM, Robotics and artificial intelligence</p>	<p>Unit 4 (Coursework) Making Testing and Evaluation</p> <p>Unit 3 (Exam Unit) Design in Context, effects of technological change on society, design history, form and function, Anthropometrics and ergonomics</p>	<p>Unit 4 (Coursework) 2D Element, Design and Make</p> <p>Unit 3 (Exam Unit) Sustainability, Life cycle assessments, cleaner design and technology, minimising waste production, renew and non renew. Sources of energy Responsibilities of developed countries</p>	<p>Unit 4 (Coursework) Testing and Evaluation 3D and 2D element</p> <p>Unit 3 (Exam Unit) Sustainability, renewable and non renewable. Sources of energy Responsibilities of developed countries Exam preparation and Revision</p>	
	Grade Range:	A*-E	A*-E	A*-E	A*-E	A*-E	
	Key Assessment	<p>Unit 4. Coursework Assessment of Primary Research and Analysis Product Spec. Initial Design</p> <p>Unit 3 Test Industrial and Commercial Practice, ICT, Digital Special Effects, Biotechnology</p>	<p>Unit 4. Coursework Assessment of Dev. Of Design Planning</p> <p>Unit 3 Test Systems and Control, Manufacturing Systems, CIM, Robotics and artificial intelligence</p>	<p>Unit 4. Coursework Assessment of Making Testing and Evaluation</p> <p>Unit 3 Test Unit 3 (Exam Unit) Design in Context, effects of technological change on society, design history, form and function, Anthropometrics and ergonomics</p>	<p>Unit 4. Coursework Assessment of 2D Element, Design and Make</p> <p>Unit 3 Test Sustainability, Life cycle assessments, cleaner design and technology, minimising waste production, renew and non renew. Sources of energy Responsibilities of developed countries</p>	<p>Unit 4. Coursework Assessment of Testing and Evaluation 3D and 2D element</p> <p>Unit 3 Test Sustainability, renewable and non renewable. Sources of energy Responsibilities of developed countries Exam preparation and Revision</p>	



	SMSC / British Values	2,3,4,5,8,10,11	2,3,4,5,8,10,11	2,3,4,5,8,10,11	2,3,4,5,8,10,11	2,3,4,5,8,10,11	

**End of course external assessment:**

**SMSC/ British Values Key:**

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