KS3 Design Technology - Curriculum Map

Year 7							
	Module 1	**Module 2**	**Module 3**	**Module 4**	**Module 5**	**Module 6**	**Mod**
Year 7	**Specialist Technical Principles**		**Core Technical Principles**		**Designing and Making Principles**		**EOY Revision &**
	Woodwork: Flat Pack Product		Textiles: Inclusive Toy		CAD/CAM:Keyring		
	Learning about wood groups and how to work with them Learning to use workshop tools & equipment	Accurately measuring, cutting and finishing using workshop tools to make a flat pack product	Learning and applying hand sewing techniques Understanding inclusive design	Working creatively and meeting the needs of the a target user to make an inclusive toy	Understanding the use of CAD/CAM in industry Learning how to use the features of CAD programmes	Using computer software to make an accurate laser cut keyring	
Assessment	A practical assessment based on woodwork and workshop practice	A written assessment based on workshop tools and equipment	Assessment of sewing skills and the design of an inclusive textiles product	Written assessment based on inclusive design and textiles	An assessment of design skills, using computer design software	The application of computer design skills to design and make a laser cut product for a specific target market	End of year assess learning fror
AOs	AO4 - Knowledge of tools, equipment & keywords AO2- Making	AO2 - Making product AO3 - Evaluate work & techniques	AO4 - Sewing techniques AO1 - Designing to specification	AO2 - Making inclusive toy AO3 - Evaluating work AO4 - Key terms	AO1 - Target market AO4 - CAD/CAM theory	AO2 -Design & make keyring AO3 - Evaluate product	AO3

Year 8							
	Module 1	**Module 2**	**Module 3**	**Module 4**	**Module 5**	**Module 6**	**Mod**
Y8 Content	**Designing and Making Principles**		**Core Technical Principles**		**Specialist Technical Principles**		**EOY Revision &**
	CAD/CAM: Architecture		Textiles: Pencil case		Woodwork & CAD/ CAM: Trinket Box		
	Understanding how 2D and 3D hand drawing & CAD/CAM techniques are used in industry	Designing a professional solution in response to a specification	Developing hand sewing techniques Understanding how to use textiles fastenings and printing techniques	Applying printing techniques and fastenings to produce a pencil case	Using measuring equipment to plan correct wood joints Learning to use workshop machinery while considering health & safety	Accurately measuring, cutting and finishing using workshop machinery to make a an accurate pine trinket box with a lid	
Assessment	An assessment, based architectural design and environmental considerations	The application of computer design skills to design and communicate an architectural design	Practical assessment based on the application of textiles and manufacturing processes	Written assessment based on responsible design and textiles manufacturing processes	A practical assessment, based on the manufacture of a wooden trinket box	A written assessment based on woods and workshop equipment	End of year assessm curri
AOs	AO1 - respond to specification AO3 - Evaluate & environmental impact	AO2 - Deigning eco house AO4 - using CAD programme	AO1 - Writing specification AO4 - Sewing AO2 - Designing for user	AO2 - Printing & sewing AO3 - Evaluating work AO4 - Key terms	AO4 - Knowledge of tools, equipment & keywords AO2- Marking	AO2 - Making joints with accuracy AO3 - Evaluate work /techniques	AO3

Assessment Objectives Key	
AO1:	Identify, investigate and outline design possibilities to address needs and wants
AO2:	Design and make prototypes that are fit for purpose
AO3:	Analyse and evaluate: • design decisions and outcomes, including for prototypes made by themselves and others • wider issues in design and technology.
AO4:	Demonstrate and apply knowledge and understanding of: • technical principles • designing and making principles

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