

# STOUR VALLEY COMMUNITY SCHOOL

# TECHNOLOGY



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COMMUNITY SCHOOL

	RM	GR	EXT. TASK	FP&N
<b>YEAR 7</b>	<b>Designer Toy Car</b>  <b>Brutalist Bug Box</b>  Assessment: Units:	<b>Biomimicry Furniture</b>  <b>Technical Drawing</b>  Assessment: Units:	RM Task 1: RM Task 2: GR Task 1: GR Task 2:	Assessment: Units:
<b>YEAR 8</b>	<b>Deco Jewellery</b>  <b>Electronics</b>  Assessment: Units:	<b>App Icon</b>  <b>Movie Poster</b>  <b>Doodle Art</b>  Assessment: Units:	RM Task 1: RM Task 2: GR Task 1: GR Task 2:	Assessment: Units:
<b>YEAR 9</b>	<b>Memphis Speaker</b>  Assessment: Units:	<b>Grand Designs</b>  Assessment: Units:	RM Task 1: RM Task 2: GR Task 1: GR Task 2:	Assessment: Units:

- 3.1—Core Principles**
  - New/emerging Tech
  - Energy
  - New materials
  - Systems
  - Mechanical devices
  - Materials/properties
- 3.2—Specialist Tech Principles**
  - Selection of materials
  - Forces/stresses
  - Ecological/social footprint
  - Sources & origins
  - Using & working with materials
  - Stock forms, types/sizes
  - Scales of production
  - Specialist techniques/processes
  - Surface treatments/finishes
- 3.2—Designing & Making Principles**
  - Investigation, primary/secondary
  - Environmental, social/economic
  - The work of others
  - Design strategies
  - Communication of design ideas
  - Prototype development
  - Selection of materials/components
  - Tolerances
  - Materials management
  - Specialist tools/equipment

- Assessment Categories**
  - Identify & Investigating Possibilities
  - Producing a Design Brief/Specification
  - Generating Design Ideas
  - Developing Design Ideas
  - Realising Design Ideas
  - Analysing & Evaluating
- Cross-Curricular Links**
  - Science
  - Maths
  - Computer Science
  - History
  - Geography
  - P.E
  - English
  - Drama
  - Art

YEAR 10	SKILLS Project	Core Principles	Core Principles	Core Principles	Specialist Principles	Specialist Principles	Specialist Principles
RM, GR & TX	<b>Introduction</b>  Assessment: Units:	<b>PROJECT Investigating</b>  Assessment: Units:	<b>PROJECT Design Brief/ Criteria</b>  Assessment: Units:	<b>PROJECT Generating Ideas</b>  Assessment: Units:	<b>PROJECT Development</b>  Assessment: Units:	<b>PROJECT Realising Designs</b>  Assessment: Units:	<b>PROJECT Testing/Evaluating</b>  Assessment: Units:

YEAR 11	NEA Investigating	NEA Design Brief	NEA Generating Ideas	NEA Development	NEA Realising Ideas	NEA Testing/Evaluating	Exam Preparation
RM, GR & TX	<b>Investigating</b>  Assessment: Units:	<b>Design Brief Design Criteria</b>  Assessment: Units:	<b>Generating Ideas</b>  Assessment: Units:	<b>Development</b>  Assessment: Units:	<b>Realising Ideas</b>  Assessment: Units:	<b>Testing/Evaluating</b>  Assessment: Units:	<b>Exam Technique Revision</b>