

Ursuline College Curriculum Implementation:

Design Technology YEAR SEVEN



Curriculum Intent	<i>'I have come so that they may have life and have it to the full.'</i> John 10: Chapter 10. V 10	
	Inspired by the Gospel values of love, joy, and compassion, we nurture and develop the whole child so that each unique individual grows in confidence and has the knowledge and skills to enable them to achieve their true potential.	
	Our aim is to ensure that all pupils have the opportunity to: • Develop creative and practical skills • Understand the design process • Evaluate and refine their work to help them become resilient and reflective learners	
	The vision for DT is that all pupils strive to produce high quality practical outcomes and develop designing and planning skills that will help them in in many areas of life.	
	Respecting each other, helping each other and bearing with each other: Getting better never stops.	
Year 7 Intent	In DT we follow the KS3 national curriculum. This is based on the iterative design process which involves: • Designing • Making • Evaluating • Technical aspects of Design Technology Pupils study these four aspects in each year of KS3, increasing in complexity each year.	
	Cycle 1	
	Term 1 CAROUSEL A 1.9.26 – 23.10.26 3 double lessons	Term 2 CAROUSEL A 2.11.26 – 18.12.26 3 double lessons
Focus & Skills	Health and Safety Acrylic Key Fob	Handheld Maze Game Orthographic Drawing

	Handheld maze game	
Links to CST	Peace and reconciliation Products will be designed with another person in mind, focussing on the act of giving as an act of peace and / or reconciliation	Peace and reconciliation Products will be designed with another person in mind, focussing on the act of giving as an act of peace and / or reconciliation
Explicit Skill Content	• Health and safety in the workshop • Key fob – design ideas and specification • Name equipment and use tools safely • Accurate manufacture of acrylic key fob • Make improvements to practical • Handheld game – specification • Accurate manufacture of handheld game base	• Handheld game – design ideas • Orthographic drawing – accurate and rendered • Accurate manufacture of handheld game • Name equipment and use tools safely • Make improvements to practical
Homework	One 30-minute piece every 2 lessons. Disciplinary literacy with definitions to learn for HW. Test taken in the following lesson.	One 30-minute piece every 2 lessons. Disciplinary literacy with definitions to learn for HW. Test given in the lesson.
Assessment	Health and Safety folder marked Practical AfL ongoing Practical assessed	Folder marked – PIT Practical AfL ongoing
Disciplinary Literacy Vocab	• Sketch • Design • Accuracy • Practical • Specification • Acrylic	• Sketch • Design • Orthographic • Tenon saw, coping saw, bench hook, vice • Soft wood, MDF
Texts/ Resources	Y7 DT folder sheets Full list of disciplinary literacy vocab Tools and equipment for practical	Y7 DT folder sheets Full list of disciplinary literacy vocab Tools and equipment for practical
KS4 Links	R038 TA 2 Design requirements R039 TA1 Freehand sketches R040 TA2 Modelling design ideas	R038 TA 2 Design requirements R039 TA1 Freehand sketches R040 TA2 Modelling design ideas
	Cycle 2	
	Term 3 CAROUSEL A 4.1.27 – 12.2.27 3 double lessons	Term 4 CAROUSEL B 22.2.27 – 25.4.27 2 double lessons

Focus & Skills	Handheld Maze Game Interlocking Toy End of unit assessment	As term 1
Links to CST	Peace and reconciliation – 24.25 focus Products will be designed with another person in mind, focussing on the act of giving as an act of peace and / or reconciliation	
Explicit Skill Content	- Unit revision – orthographic focus - Evaluation of key fob and handheld game - Improvements to handheld game - Use of templates to manufacture interlocking toy	
Homework	One 30-minute piece every 2 lessons. Disciplinary literacy with definitions to learn for HW. Test taken in the following lesson.	
Assessment	Practical AfL ongoing Practical assessed Folder marked - PIT End of unit test	
Disciplinary Literacy Vocab	- Evaluation - Template - Term 1 and 2 words	
Texts/ Resources	Y7 DT folder sheets Full list of disciplinary literacy vocab Tools and equipment for practical	
KS4 Links	R038 TA2 Design requirements R040 TA1 Product evaluation	
	Cycle 3	
	Term 5 CAROUSEL B 12.4.27 – 28.5.27 3 double lessons	Term 6 CAROUSEL B 7.6.27 – 16.7.27 2-3 double lessons
Focus & Skills	As term 2	As term 3

Links to CST		
Explicit Skill Content		
Homework		
Assessment		
Disciplinary Literacy Vocab		
Texts/ Resources		
KS4 Links		

Ursuline College Curriculum Implementation:

Design Technology YEAR EIGHT



Curriculum Intent	<i>'I have come so that they may have life and have it to the full.'</i> John 10: Chapter 10. V 10 Inspired by the Gospel values of love, joy, and compassion, we nurture and develop the whole child so that each unique individual grows in confidence and has the knowledge and skills to enable them to achieve their true potential. Our aim is to ensure that all pupils have the opportunity to: • Develop creative and practical skills • Understand the design process • Evaluate and refine their work to help them become resilient and reflective learners The vision for DT is that all pupils strive to produce high quality practical outcomes and develop designing and planning skills that will help them in many areas of life. Respecting each other, helping each other and bearing with each other: Getting better never stops.
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Year 8 Intent	In DT we follow the KS3 national curriculum. This is based on the iterative design process which involves: • Designing • Making • Evaluating • Technical aspects of Design Technology Pupils study these four aspects in each year of KS3, increasing in complexity each year.	
	Cycle 1 Term 1 CAROUSEL A 3.9.24 – 22.10.19 7 weeks	
Focus & Skills	Health and Safety Model aeroplane practical Model aeroplane design and specification	Model aeroplane practical Orthographic drawing Oblique drawing Bookends practical
Links to CST	Peace and reconciliation – 24.25 focus Products will be designed with another person in mind, focussing on the act of giving as an act of peace and / or reconciliation	Peace and reconciliation – 24.25 focus Products will be designed with another person in mind, focussing on the act of giving as an act of peace and / or reconciliation
Explicit Skill Content	• Health and safety in the workshop • Using templates • Aesthetic design • Writing a specification	• Using sanders • Bookend design • Orthographic drawing • Oblique drawing • Evaluation against specification
Homework	One 30-minute piece every 2 lessons. Disciplinary literacy with definitions to learn for HW. Test taken in the following lesson.	One 30-minute piece every 2 lessons. Disciplinary literacy with definitions to learn for HW. Test taken in the following lesson.
Assessment	Health and Safety folder marked Practical AfL ongoing Practical assessed	Folder marked – PIT Practical AfL ongoing
Disciplinary Literacy Vocab	• Specification • Design • Template • Coping Saw • Aesthetics	• Orthographic • Oblique • Evaluation • Softwood • MDF

Texts/ Resources	Y8 DT folder sheets Full list of disciplinary literacy vocab Tools and equipment for practical	Y8 DT folder sheets Full list of disciplinary literacy vocab Tools and equipment for practical
KS4 Links	R038 TA1 Designing processes R039 TA1 Manual production of freehand sketches	R038 TA2 Design requirements R039 TA2 Manual production of engineering drawings
	Cycle 2	
	Term 3 CAROUSEL A 6.1.25 – 14.2.25 6 weeks	Term 4 CAROUSEL B 24.2.25 – 4.4.25 6 weeks
Focus & Skills	Bookend practical Interlocking games End of unit test	As term 1
Links to CST	Peace and reconciliation – 24.25 focus Products will be designed with another person in mind, focussing on the act of giving as an act of peace and / or reconciliation	
Explicit Skill Content	• Pilot holes, clearance holes and counter sink • Jigs • Complex templates and friction fits • End of unit test revision – orthographic to oblique focus	
Homework	One 30-minute piece every 2 lessons. Disciplinary literacy with definitions to learn for HW. Test taken in the following lesson.	
Assessment	Practical AfL ongoing Practical assessed Folder marked - PIT End of unit test	
Disciplinary Literacy Vocab	• Pillar drill • Jig • Oblique • Orthographic	

Texts/ Resources	Y8 DT folder sheets Full list of disciplinary literacy vocab Tools and equipment for practical	
KS4 Links	R040 TA1 Product evaluation R040 TA2 Modelling design ideas	
	Cycle 3	
	Term 5 CAROUSEL B 22.4.25 – 23.5.25 5 weeks	Term 6 CAROUSEL B 2.6.25 – 22.7.25 7 weeks
Focus & Skills	As term 2	As term 3
Links to CST		
Explicit Skill Content		
Homework		
Assessment		
Disciplinary Literacy Vocab		
Texts/ Resources		
KS4 Links		

Ursuline College Curriculum Implementation:

Design Technology YEAR NINE



Curriculum Intent	<i>'I have come so that they may have life and have it to the full.'</i> John 10: Chapter 10. V 10 Inspired by the Gospel values of love, joy, and compassion, we nurture and develop the whole child so that each unique individual grows in confidence and has the knowledge and skills to enable them to achieve their true potential. Our aim is to ensure that all pupils have the opportunity to: • Develop creative and practical skills • Understand the design process • Evaluate and refine their work to help them become resilient and reflective learners The vision for DT is that all pupils strive to produce high quality practical outcomes and develop designing and planning skills that will help them in many areas of life. Respecting each other, helping each other and bearing with each other: Getting better never stops.	
Year 9 Intent	In DT we follow the KS3 national curriculum. This is based on the iterative design process which involves: • Designing • Making • Evaluating • Technical aspects of Design Technology Pupils study these four aspects in each year of KS3, increasing in complexity each year.	
	Cycle 1 Term 1 CAROUSEL A 3.9.24 – 22.10.19 7 weeks Term 2 CAROUSEL A 4.11.24 – 20.12.24 7 weeks	
Focus & Skills	Health and safety Passive amplifier practical Orthographic and isometric drawing	Product analysis Passive amplifier practical Lightbox design

		Lightbox practical Isometric sketching Render
Links to CST	Peace and reconciliation – 24.25 focus Products will be designed with another person in mind, focussing on the act of giving as an act of peace and / or reconciliation	Peace and reconciliation – 24.25 focus Products will be designed with another person in mind, focussing on the act of giving as an act of peace and / or reconciliation
Explicit Skill Content	• Health and safety in the workshop • Following orthographic drawings when making • Passive amplifier practical work • Orthographic drawing • Isometric drawing	• Product analysis • Sketching using isometric and render • Passive amplifier practical work • Lightbox practical – assembly following orthographic drawings • Lightbox design – using a given specification
	One 30-minute piece every 2 lessons. Disciplinary literacy with definitions to learn for HW. Test taken in the following lesson.	One 30-minute piece every 2 lessons. Disciplinary literacy with definitions to learn for HW. Test taken in the following lesson.
Assessment	Health and Safety folder marked Practical AfL ongoing	Folder marked – PIT Practical AfL ongoing Lightbox practical assessed
Disciplinary Literacy Vocab	• Orthographic drawing • Working drawing • Isometric drawing	• Product analysis • Isometric drawing • Sketching • Rendering
Texts/ Resources	Y9 DT folder sheets Full list of disciplinary literacy vocab Tools and equipment for practical	Y9 DT folder sheets Full list of disciplinary literacy vocab Tools and equipment for practical
KS4 Links	R038 TA2 Design requirements R039 TA3 CAD	R038 TA2 Design requirements R039 TA3 CAD R040 TA2 Modelling design ideas
	Cycle 2	
	Term 3 CAROUSEL A 6.1.25 – 14.2.25 6 weeks	Term 4 CAROUSEL B 24.2.25 – 4.4.25 6 weeks
Focus & Skills	End of unit test	As term 1

	Lightbox practical Interlocking product Evaluations and improvements of products	
Links to CST	Peace and reconciliation – 24.25 focus Products will be designed with another person in mind, focussing on the act of giving as an act of peace and / or reconciliation	
Explicit Skill Content	• Test – orthographic and isometric focus • Lightbox assembly • Lightbox improvements • Evaluation to specification	
Homework	One 30-minute piece every 2 lessons. Disciplinary literacy with definitions to learn for HW. Test taken in the following lesson.	
Assessment	Practical AfL ongoing Practical assessed Folder marked - PIT End of unit test	
Disciplinary Literacy Vocab	• Term 1 and 2 disciplinary literacy for revision • Interlocking • Product evaluation	
Texts/ Resources	Y9 DT folder sheets Full list of disciplinary literacy vocab Tools and equipment for practical	
KS4 Links	R038 TA4 Evaluating design ideas R040 TA1 Product evaluation	
	Cycle 3	
	Term 5 CAROUSEL B 22.4.25 – 23.5.25 5 weeks	Term 6 CAROUSEL B 2.6.25 – 22.7.25 7 weeks
Focus & Skills	As term 2	As term 3
Links to CST		
Explicit Skill Content		
Homework		

Assessment		
Disciplinary		
Literacy Vocab		
Texts/ Resources		
KS4 Links		