Holy Family Catholic School – Faculty of Maths – **Design Technology** Autumn Half-Term 2 Year 7

Learning Intention	Vocab	Concept	Retrieval	Success Criteria	Hinge Questions for this lesson	Red Zone
Wk 1 - Lesson 1 Practical lesson – CADCAM	Vac form CAD/CAM Health and safety Quality control	Applied Practical skills	Vac form CAD/CAM Health and safety Quality control	**I can** complete practical tasks **I can use** tools, equipment, and materials safely	Which statement best describes CAD/CAM in design and technology? **Options:** A) CAD/CAM refers to manual drawing and hand assembly B) CAD/CAM combines computer-aided design and computer-aided manufacturing C) CAD/CAM is only used for packaging design D) CAD/CAM means quality control checks only	Complete the practical task for this lesson
Wk 2 - Lesson 2 Practical lesson – Applying the design / Adding a finish	Safety Tools Equipment Accuracy Planning Focus	Applied Practical skills	Safety Tools Equipment Accuracy Planning Focus	**I can** complete practical tasks **I can use** tools, equipment, and materials safely	Why is accuracy important when applying a finish to a product? **Options:** A) It reduces the need for planning B) It ensures the product looks professional and functions correctly C) It makes the product heavier D) It eliminates the need for tools	Complete the practical task for this lesson

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Wk 3 - Lesson 3 Final assembly	Accuracy Planning Focus	Applied Practical skills	Accuracy Planning Focus	**I can** complete practical tasks **I can use** tools, equipment, and materials safely	Which factor is most critical during final assembly? **Options:** A) Speed of completion B) Accuracy and correct alignment of parts C) Using as many tools as possible D) Ignoring safety rules to save time	Complete the practical task for this lesson
Wk 4 - Lesson 4 Evaluation	Review Discuss Improve Modify	Evaluation and improvement	Review Discuss Improve Modify	**I can evaluate** my own work **I can identify** improvements in my work	What is the main purpose of evaluating your product? **Options:** A) To start a new design immediately B) To identify improvements and reflect on the design process C) To discard the product D) To avoid making changes	Complete a product evaluation

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Wk 5 - Lesson 5 Project 2 – Graphics – Shop identity	Graphic Colour Shape Text Image	Design skills	Graphic Colour Shape Text Image	**I can explain** the term graphics **I can apply** graphical skills to solve design problems	Which element is NOT typically part of graphic design for shop identity? **Options:** A) Colour B) Shape C) Text D) Welding	Complete the worksheet
Wk 6 - Lesson 6 Design brief and Initial ideas – Shop identity	Problem Brief Customer Annotation	Design skills	Problem Brief Customer Annotation	**I can explain** the term design brief **I can apply** correct presentation techniques	What does a design brief usually include? **Options:** A) A list of tools to use B) The problem, target customer, and design requirements C) Only colour choices D) A finished product image	Complete the worksheet

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Wk 7 - Lesson 7 Packaging	Packaging Preserve Protect Environment	Design skills	Packaging Preserve Protect Environment	**I can explain** the term packaging **I can discuss** the environmental issues of packaging	Which is an environmental concern related to packaging? **Options:** A) Packaging makes products easier to carry B) Packaging can contribute to waste and pollution C) Packaging always improves product quality D) Packaging eliminates the need for branding	Complete the worksheet