BRISBANE WATER SECONDARY COLLEGE | UMINA CAMPUS

STUDENT NAME:	**STUDENT CLASS:** 3D CAD CAM
SUBJECT: Year 9 - 3D CAD CAM	**WEIGHTING:** 50%
DATE TASK RECEIVED: Monday 13th of Sept Term 3 Week 10	**DATE TASK DUE:** Friday 22nd of October 2021 Term 4 Week 4
OUTCOMES TO BE ASSESSED: Knowledge and skills in the design and production of practical projects **IND5-2** applies design principles in the modification, development and production of projects **IND5-3** identifies, selects and uses a range of hand and machine tools, equipment and processes to produce quality practical projects	

TASK NAME: Assessment Task 02
TOPIC: 3D modelling for additive manufacturing

TYPE OF TASK: Design and Prototype Task

TASK DESCRIPTION: This task is focused on 3D modelling for additive manufacturing. You are to design and build a 3D model/ character

Part 1: Component 2D Sketches

A 2D sketch of each component is required. This can be done by hand on the supplied grid paper or using Fusion 360 to create an electronic version.

Part 2: Building Your 3D Model/Character

A 3D finished model is required using whatever tools are available to you at home. This can be electronic or by hand Lego bricks, Playdoh, etc…..

Electronic: Minecraft which is available as a free download and can be used across various platforms such as Xbox, PS4, PC, iPad… A copy of the existing Minecraft City is available via Google Classroom.

Offline: making creative use of what offline resources are available to you to build the city. This can include but not limited to Lego, Play-Doh etc..

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WHAT AM I BEING ASSESSED ON?

SUBJECT: 3D CAD CAM	**TASK NAME: Assessment Task 02**
STUDENT NAME:	**STUDENT CLASS:**

	A	B	C	D	E	N	
	Outstanding	**High**	**Sound**	**Developing**	**Limited**	**Unsatisfactory**	**Total**
Mark	15 - 13	12 - 10	9 - 7	6 - 4	3 - 1	0	
Research: *Students Research and Plan their 3D Model -15 marks*							
CRITERIA: **IND5-2**	Provides an outstanding standard of 2D sketch components.	Provides a high standard of 2D sketch components..	Provides a satisfactory standard of 2D sketch components.	Provides a developing standard of 2D sketch components.	Provides a limited standard of 2D sketch components..	Did not submit the task and failed to follow assessment policy.	/15
Implantation: *Students implement their designs into a physical / electronic model -15 marks*							
Mark	15 - 13	12 - 10	9 - 7	6 - 4	3 - 1	0	
Criteria: **Outcome:** **IND5-3**	Completed an outstanding standard 3D model including pictures of the design process.	Completed a high standard 3D model including some pictures of the design process.	Completed a sound standard 3D model including a picture of the design process	Completed a sound standard 3D model with no pictures of the design process	Completed a limited standard of 3D model with no pictures of the design process	Did not submit the task and failed to follow assessment policy.	/15
Feedback:							/30