



TAS ASSESSMENT TASK NOTIFICATION

YEAR 7 TECHNOLOGY MANDATORY 2019

Task Number:	1
Topic/s:	Materials – Metal: “ <i>Metal Magic</i> ”
Weightings:	70% Project, 30% Digital Portfolio
Due Date:	7Tec4 & 7Tec 9 - Tuesday 26 th November, Week 7, Term 4, 2019
Time:	In class
Venue:	Digital Portfolio submitted on Google Classroom Practical work submitted in Room J38

Outcomes to be Assessed:

- TE4-1DP designs, communicates and evaluates innovative ideas and creative solutions to authentic problems or opportunities
- TE4-2DP plans and manages the production of designed solutions
- TE4-3DP selects and safely applies a broad range of tools, materials and processes in the production of quality projects
- TE4-9MA investigates how the characteristics and properties of tools, materials and processes affect their use in designed solutions

Task: HI and IC
Details: Digital Portfolio and Project

Electronic Submission of Task:

Yes

Format of Electronic Submission:

Google Classroom

Please Note:

1. The College policy regarding malpractice, including cheating and plagiarism, late submission and absenteeism will apply. Please refer to moodle.pmaclism.catholic.edu.au (Assessment Tasks – Rules and Procedures). Stage 6 students should also refer to their *2019 Assessment Handbooks*.
2. Email is NOT an accepted form of assessment task submission.
3. If you are going to be away for any reason, including school based activities, you must fill in a “Planned Absence Notification” form and submit to the Assistant Principal Curriculum or the Leader of Curriculum. This form can be found at <http://moodle.pmaclism.catholic.edu.au/mod/page/view.php?id=17637>.

Electronic Submission Specifications:

STEP 1: Save PowerPoint digital design portfolio as a PDF file

- Open your PowerPoint app on your iPad
- Open your Funky Furnishings portfolio presentation
- Select File > Export > PDF

STEP 2: Upload digital design portfolio to Google Classroom

- Open Google Classroom app and login
- Select *7Tec7 – Metal - 2019*
- Select Digital Portfolio Submission
- Upload your PowerPoint digital portfolio as a PDF to the student upload portal
- Select hand in for marking
- Digital design portfolio has been submitted.

Device Holder



DESCRIPTION:

The device holder has an etched/laser cut design. The finished project is buffed to a matte finish.

MATERIALS LIST:

Material	Length	Width	Thickness	Qty
Aluminium	220mm	80mm	3mm	1

Technology Mandatory - Year 7

Google Slides or Office 365 PowerPoint Presentation Portfolio

- SLIDE 1 - Title Page – Aluminium Device Holder
 - Your name, teachers name, class, a relevant photo to do with metalwork.
- SLIDE 2 – Design Brief
 - *Problem:* There is never anywhere to leave your device to charge.
 - *Brief:* You are to manufacture an aluminium device holder with a laser etched design. The device holder will be buffed to a matte finish.
- SLIDE 3: Design Considerations
 - Include the following parameters as a mind map:
 - The device is to be produced from 220mm x 80mm x 3mm aluminium strip.
 - The aluminium will be divided into 2 pieces one 80mm in length and the other 140mm
 - The pieces will be interlocking.
 - There will be a curved recess for the charging cord
 - The project must be constructed at school in room 28.
 - All edges are to be bevelled.
 - A design is to be etched/laser cut into each device holder.
 - All holders are to be produced to the highest standard
- SLIDE 4 – Research
 - Research current device holder designs:
 - Find 5 images of device holders
 - PMI each design
- SLIDE 5 – Ideas Generation
 - Research suitable images to be etched onto your device holder:
 - Find 5 images
 - PMI each design
- SLIDE 6 – Final Design
 - Include an image of your chosen design that is to be etched onto your device holder.
 - Justify WHY you selected this design over the others that were researched.
- SLIDE 7 - WH&S
 - Workplace Health and Safety. Input the images you took of safety signs, PPE, first aid kit, MSDS's and machine safety zones.
 - Describe each one.
- SLIDE 8 – Resources: Hand Tools
 - Input images of the following hand tools used: Steel Rule, Scriber, Flat File, Engineers Square, Hacksaw
 - Describe the use of each one
- SLIDE 9 – Resources: Machines
 - Input images of the following machines used: Pedestal Drill, Orbital Sander
 - Describe the use of each one.
- SLIDE 10 - Procedure
 - Input images of at least 5 manufacture steps.
 - Describe each step of how your made your device holder.
- SLIDE 12 – Final Product
 - Include a photo of your completed project.
- SLIDE 13 – Evaluation
 - Evaluate your project in the following areas:
 - Construction
 - Design
 - Final Product

Components	Elements					Marks	
Title Page	1			0			
	Title Page includes all elements			Title Page includes some elements			
Design Brief	2			1			
	Complete Design Brief with highlighted key words			Incomplete Design Brief / key words			
Design Considerations	1						
	Mind Map showing Design Considerations						
Research	5	4	3	2	1		
	Undertakes and evaluates a range of appropriate research	Undertakes and analyses appropriate research	Undertakes and explains some appropriate research	Undertakes and outlines limited appropriate research	Provides minimal evidence of appropriate research		
Ideas Generation	5	4	3	2	1		
	Demonstrates an extensive application of creativity	Demonstrates a thorough application of creativity	Demonstrates a sound application of creativity	Provides basic evidence of ideas generation	Provides elementary evidence of ideas generation		
Final Design	3		2		1		
	Evaluates the selection of ideas for final design		Explains the selection of ideas for final design		Recognises some of ideas for final design		
Resources	1						
	Provides a complete list of required materials						
Procedures	5	4	3	2	1		
	Provides an extensive record of the steps of construction	Provides an thorough record of the steps of construction	Provides a sound record of the steps of construction	Provides a basic record of the steps of construction	Provides an elementary record of the steps of construction		
Evaluation	3		2		1		
	Provides an extensive summary including positives, negatives and improvements		Provides a sound summary including positives, negatives and improvements		Provides an elementary summary including some positives, negatives or improvements		
Presentation Techniques	4	3		2		1	
	Demonstrates a range of quality presentation techniques	Demonstrates a range of appropriate presentation techniques		Demonstrates a limited range of presentation techniques		Demonstrates minimal presentation techniques	
						Total	
						/30	

TECHNOLOGY MANDATORY – Year 7 – Stage 4 PROJECT UNIT: Metal Magic NAME _____ CLASS _____

Components	Elements					Marks
Overall quality of the product	15 -13	12 - 10	9 - 7	6 - 4	3 - 0	
	Project displays very high qualities in all aspects	Project displays high qualities in all aspects	Project displays sound qualities in most aspects	Project displays basic qualities in some aspects	Project displays elementary qualities in minimal aspects	
Competency in practical Skills	15 -13	12 - 10	9 - 7	6 - 4	3 - 0	
	Student has demonstrated a very high range of practical skills	Student has demonstrated a high range of practical skills	Student has demonstrated an adequate range of practical skills	Student has demonstrated a limited range of practical skills	Student has demonstrated a very limited range of practical skills	
Adherence to Workplace Health and Safety requirements	5	4	3	2	1 - 0	
	Student demonstrates an extensive knowledge of WHS.	Student demonstrates a thorough knowledge of WHS.	Student demonstrates a sound knowledge of WHS.	Student demonstrates a basic knowledge of WHS.	Student demonstrates an elementary knowledge of WHS.	
						Total
						Comments: _____ _____ _____ _____ _____