



# ORANGE HIGH SCHOOL

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## ASSESSMENT TASK NOTIFICATION

<b>SUBJECT</b>	INDUSTRIAL TECHNOLOGY METAL
<b>TOPIC</b>	PRACTICAL - TOOLBOX & CENTRE PUNCH
<b>CLASS TEACHER</b>	MR BOUNDY & MRS BRIGHT
<b>HEAD TEACHER</b>	MR WAIT
<b>YEAR</b>	9
<b>DATE GIVEN</b>	WEEK 2, TERM 2
<b>DATE DUE</b>	WEEK 5/6, TERM 2
<b>WEIGHTING</b>	70 marks (Toolbox 50, Centre Punch 20)

### OUTCOMES/CONTENT ASSESSED:

**IND5-1:** identifies, assesses, applies and manages the risks and WHS issues associated with the use of a range of tools, equipment, materials, processes and technologies.

**IND5-3:** identifies, selects and competently uses a range of hand and machine tools, equipment and processes to produce quality practical projects.

**IND5-4:** selects, justifies, and uses a range of relevant and associated materials for specific applications.

**IND5-6:** identifies and participates in collaborative work practices in the learning environment.

### ASSESSMENT OUTLINE

Students exclusively work with metal in this subject and build skills in the use of various materials, hand & power tools, machinery and workshop equipment. As they progress through each project they will gain the skills in the use of Tools, machinery and equipment as listed under each project.

### TASK REQUIREMENTS

#### 1. TOOLBOX PROJECT (50 marks)

Students will produce a Sheetmetal Toolbox to the dimensions and tolerances as directed by the teacher.

The Toolbox Project encompasses the following Skills, tools, equipment and machinery:

Skills	Tools, Machinery & Equipment
<ul style="list-style-type: none"><li>● Drawing Interpretation</li><li>● Marking out</li><li>● Sheetmetal cutting</li><li>● Folding of sheetmetal (Magna Bender)</li><li>● Shaping of folded corners using Forming</li><li>● Stakes fitting of lid</li><li>● Spot Welding</li><li>● Positioning of Fixings (Hinges &amp; Latch)</li></ul>	<ul style="list-style-type: none"><li>● Steel Rules, Scribe, Engineers Square</li><li>● Aviation Snips - Left &amp; Right</li><li>● Magna Bender</li><li>● Forming Stakes &amp; Wooden Mallet</li><li>● Spot Welder</li><li>● C-clamps</li><li>● Guillotine</li><li>● Anvil</li></ul>

## Assessment Task 2/3 - Notification & Marking Criteria

### 2. CENTRE PUNCH PROJECT (20 marks)

Students will produce a Centre Punch to the dimensions and tolerances as directed by the classroom teacher. The Centre Punch Project encompasses the following Skills, tools, equipment and machinery:

Skills	Tools, Machinery & Equipment
<ul style="list-style-type: none"> <li>● Drawing interpretation</li> <li>● Identification of Lathe Components</li> <li>● Reading of Vernier calipers</li> <li>● Facing off</li> <li>● Taper Turning</li> <li>● Parallel turning</li> <li>● Knurling</li> <li>● Oxy-Acetylene Gas system</li> <li>● Heat treatment and Quenching</li> </ul>	<ul style="list-style-type: none"> <li>● Steel Rule and Scriber</li> <li>● Hacksaw</li> <li>● Metal Lathe</li> <li>● Oxy-Acetylene Gas system</li> <li>● Warrington Hammer and Anvil</li> </ul>

#### SUBMISSION OF ASSESSMENT:

Your assessment must be submitted by the due date. Should you be late then you will be deducted 10% per day late. That means you have Ten (10) days to submit until you get a zero mark!

#### NON-COMPLETION OF TASK:

If you know you are going to be away on the day that the task is due, you must make alternative arrangements with your teacher beforehand. If you are suddenly away on the day that the task is due, you must contact your teacher or Head Teacher on your return to school. Documentation will be required in both classes.

**Failure to follow the above procedures may result in a zero award.**

**The policies and procedures that are outlined on the ROSA booklet will be followed regarding the non-completion of assessment tasks.**

#### GLOSSARY OF KEY TERMS

**Define:** State the precise meaning of something and identify its essential qualities and limitations.

**Describe:** Give a thorough account of something, providing characteristics and features.

**Discuss:** Take into account the different aspects of something. Identify issues, provide points for and/or against and come to a conclusion.

**Explain:** Make the meaning of something clear; relate cause and effect; make the relationships between things evident; provide why and/or how.

**Identify:** Direct attention to the main features and vital points of something and describe them.

## Assessment Task 2/3 - Notification & Marking Criteria

### PROJECT 1 – TOOLBOX PROJECT (50 MARKS)

Marks	Criteria
Outstanding 50-41	<ul style="list-style-type: none"> <li>● Toolbox clearly meets the Project brief and the student has engaged in a outstanding work ethic and consideration for meeting success criteria.</li> <li>● Toolbox meets the size constraints with minimal/no difference in size of construction.</li> <li>● Toolbox demonstrates outstanding construction processes with limited to no assistance from the teacher and applied class demonstrations to their workflow</li> <li>● Outstanding final appearance/presentation applied to the Toolbox with limited/no dents or low quality construction</li> <li>● Toolbox completed in allotted timeframe and conducted in a safe manner observing WHS principles.</li> </ul>
High 40-31	<ul style="list-style-type: none"> <li>● Toolbox displays all or most aspects of the Project brief and has demonstrated a high level work ethic.</li> <li>● Toolbox meets the size constraints with moderate difference in size of construction.</li> <li>● Toolbox demonstrates high level construction processes with limited assistance from the teacher.</li> <li>● Toolbox demonstrates high level construction processes with limited to no assistance from the teacher and applied class demonstrations to their workflow</li> <li>● High level final appearance/presentation applied to the Toolbox with limited/no dents or low quality construction</li> <li>● Toolbox completed in allotted timeframe and conducted in a safe manner observing WHS principles.</li> </ul>
Sound 30-21	<ul style="list-style-type: none"> <li>● Toolbox displays some aspects of the Project brief displaying a sound work ethic.</li> <li>● Toolbox displays some of the size constraints with moderate difference in size of construction.</li> <li>● Toolbox demonstrates sound construction processes with limited assistance from the teacher.</li> <li>● Toolbox demonstrates sound construction processes with limited to no assistance from the teacher and applied class demonstrations to their workflow</li> <li>● Sound appearance/presentation applied to the Toolbox with limited/no dents or low quality construction</li> <li>● Toolbox completed or near completion and conducted in a safe manner observing WHS principles.</li> </ul>
Basic 20-11	<ul style="list-style-type: none"> <li>● Toolbox displays some or limited aspects of the Project brief as student has not applied themselves with due diligence and a basic work ethic.</li> <li>● Toolbox has inconsistent size constraints set by the drawing dimensions and tolerances</li> <li>● Toolbox demonstrates Basic level construction processes with limited assistance from the teacher.</li> <li>● Toolbox demonstrates Basic level construction processes with limited to no assistance from the teacher and applied class demonstrations to their workflow</li> <li>● Basic appearance/presentation applied to the Toolbox with limited/no dents or low quality construction that shows evidence for poor work processes.</li> <li>● Toolbox near completion and conducted in a safe manner observing WHS principles.</li> </ul>
Limited 10-0	<ul style="list-style-type: none"> <li>● Toolbox does not represent the aspects of the Project brief as student has not applied themselves with due diligence and a solid work ethic.</li> <li>● Toolbox does not meet the size constraints set by the drawing dimensions and tolerances</li> <li>● Toolbox demonstrates limited construction processes with lack of regulation to gain assistance from the teacher.</li> <li>● Toolbox demonstrates limited level construction processes with limited to no assistance from the teacher and applied class demonstrations to their workflow</li> <li>● Limited appearance/presentation applied to the Toolbox with dents, evident poor work processes and low quality construction</li> <li>● Toolbox not completed</li> <li>● WHS conducted in a safe manner.</li> </ul>

### PROJECT 2 – CENTRE PUNCH (20 MARKS)

Marks	Criteria
Outstanding 20-17	<ul style="list-style-type: none"> <li>● Centre Punch clearly meets the Project brief and the student has engaged in a outstanding work ethic and consideration for meeting success criteria.</li> <li>● Centre Punch meets the size constraints with minimal/no difference in size of construction.</li> <li>● Centre Punch demonstrates outstanding construction processes with limited to no assistance from the teacher and applied class demonstrations to their workflow</li> <li>● Outstanding final appearance/presentation applied to the Centre Punch with limited/no dents or low quality construction</li> <li>● Centre Punch completed in allotted timeframe and conducted in a safe manner observing WHS principles.</li> </ul>

## Assessment Task 2/3 - Notification & Marking Criteria

High 16-13	<ul style="list-style-type: none"> <li>● Centre Punch displays all or most aspects of the Project brief and has demonstrated a high level work ethic.</li> <li>● Centre Punch meets the size constraints with moderate difference in size of construction.</li> <li>● Centre Punch demonstrates high level construction processes with limited assistance from the teacher.</li> <li>● Centre Punch demonstrates high level construction processes with limited to no assistance from the teacher and applied class demonstrations to their workflow</li> <li>● High level final appearance/presentation applied to the Centre Punch with limited/no dents or low quality construction</li> <li>● Centre Punch completed in allotted timeframe and conducted in a safe manner observing WHS principles.</li> </ul>
Sound 12-9	<ul style="list-style-type: none"> <li>● Centre Punch displays some aspects of the Project brief displaying a sound work ethic.</li> <li>● Centre Punch displays some of the size constraints with moderate difference in size of construction.</li> <li>● Centre Punch demonstrates sound construction processes with limited assistance from the teacher.</li> <li>● Centre Punch demonstrates sound construction processes with limited to no assistance from the teacher and applied class demonstrations to their workflow</li> <li>● Sound appearance/presentation applied to the Centre Punch with limited/no dents or low quality construction</li> <li>● Centre Punch completed or near completion and conducted in a safe manner observing WHS principles.</li> </ul>
Basic 8-5	<ul style="list-style-type: none"> <li>● Centre Punch displays some or limited aspects of the Project brief as student has not applied themselves with due diligence and a basic work ethic.</li> <li>● Centre Punch has inconsistent size constraints set by the drawing dimensions and tolerances</li> <li>● Centre Punch demonstrates Basic level construction processes with limited assistance from the teacher.</li> <li>● Centre Punch demonstrates Basic level construction processes with limited to no assistance from the teacher and applied class demonstrations to their workflow</li> <li>● Basic appearance/presentation applied to the Centre Punch with limited/no dents or low quality construction that shows evidence for poor work processes.</li> <li>● Centre Punch near completion and conducted in a safe manner observing WHS principles.</li> </ul>
Limited 4-0	<ul style="list-style-type: none"> <li>● Centre Punch does not represent the aspects of the Project brief as student has not applied themselves with due diligence and a solid work ethic.</li> <li>● Centre Punch does not meet the size constraints set by the drawing dimensions and tolerances</li> <li>● Centre Punch demonstrates limited construction processes with lack of regulation to gain assistance from the teacher.</li> <li>● Centre Punch demonstrates limited level construction processes with limited to no assistance from the teacher and applied class demonstrations to their workflow</li> <li>● Limited appearance/presentation applied to the Centre Punch with dents, evident poor work processes and low quality construction</li> <li>● Centre Punch not completed</li> <li>● WHS conducted in a safe manner.</li> </ul>

### MARKING FEEDBACK:

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