



ORANGE HIGH SCHOOL

ASSESSMENT TASK NOTIFICATION

SUBJECT	INDUSTRIAL TECHNOLOGY METAL
TOPIC	PRACTICAL - ROCKET STOVE
CLASS TEACHER	MR BOUNDY
HEAD TEACHER	MR WAIT
YEAR	10
DATE GIVEN	WEEK 2, TERM 2
DATE DUE	WEEK 5/6, TERM 2
WEIGHTING	50 marks

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. ROCKET STOVE PROJECT (50 marks)

Students will produce a Rocketstove 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">● Drawing Interpretation● Marking out● Mechanical Cutting (Cold Saw/Bench Shears)● Folding of sheetmetal (Panbrake)● Shaping of folded corners using Forming● Stakes fitting of tray● MIG Welding● Metal Lathe Machining● Cutting of Threads	<ul style="list-style-type: none">● Steel Rules, Scribe, Engineers Square● Cold Cut off Saw● Panbrake● Forming Stakes & Wooden Mallet● MIG Welder● C-clamps● Bench Shears● Anvil● Taps & Dies/Wrench & Stock● Metal Lathe● Vernier Calipers● Angle Grinder (cutting & grinding)● Metal File

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!

Assessment Task 2 - Notification & Marking Criteria

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 - Notification & Marking Criteria

PROJECT 1 – ROCKETSTOVE PROJECT (50 MARKS)

STUDENT:

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

MARKING FEEDBACK:
