

**INDUSTRIAL ARTS — SENIOR 1 TO SENIOR 4
CURRICULUM CORRELATION LEARNING RESOURCES FORM**

METALWORK TECHNOLOGY

Resource ID #'s
Student Resource _____
Teacher Resource _____

Title: _____

Series Title (if applicable): _____

Senior 1 Senior 2 Senior 3 Senior 4

- Set of Student Resource(s) with accompanying teacher support material(s) such as a Teacher's Guide/Resource and/or Teacher's Edition**
Teacher support material - Supports the teacher in implementation of the student learning material
- Student Reference**
Stand-alone text or handbook. Intended audience is students. Typically a depth resource on a specific area or topic.
- Teacher Professional Reference**
Contains theory and/or practice and/or history and/or classroom strategies to assist teachers in teaching
- Teacher Reference**
Stand-alone resource. Intended audience is teachers. A depth resource on a specific area such as woodworking or topic such as Face Plate turning on a Wood Lathe

Measurement System (Please ✓ one)

- Metric**
- Imperial**
- Metric/Imperial**

Contains potentially sensitive content? Yes No

On the following form indicate in the boxes (✓) the degree of curriculum fit and provide specific unit, chapter, or page reference.

Prescribed Content Themes	Degree of Curriculum Fit
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Industrial Arts — Senior 1 to Senior 4

Production Skills — Metalwork Technology

General Learning Outcomes for each Strand

<i>The learning resource demonstrates</i>	Student Resource(s)					Teacher Resource(s)				
	none	slight	moderate	extensive	n/a	none	slight	moderate	extensive	n/a
GLO MW 3.1 how to employ safe work practices related to metalwork processes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deals with										
Does not deal with										
GLO MW 3.2 how to identify and describe careers and skills related to metalwork	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deals with										
Does not deal with										
GLO MW 3.3 an understanding of the science of metallurgy and metalwork processes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deals with										
Does not deal with										
GLO MW 3.4 how to apply knowledge and skills of the principles and procedures of design and layout in the development of a metalwork product	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deals with										
Does not deal with										
GLO MW 3.5 the correct use of metalworking layout tools and equipment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deals with										
Does not deal with										
GLO MW 3.6 how to apply separation processes in metalwork	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deals with										
Does not deal with										

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Industrial Arts — Senior 1 to Senior 4

Production Skills — Metalwork Technology

General Learning Outcomes for each Strand

<i>The learning resource demonstrates</i>	Student Resource(s)					Teacher Resource(s)				
	none	slight	moderate	extensive	n/a	none	slight	moderate	extensive	n/a
GLO MW 3.7 how to apply fastening processes in metalwork	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deals with										
Does not deal with										
GLO MW 3.8 how to apply forming and casting processes in metalwork	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deals with										
Does not deal with										
GLO MW 3.9 how to apply finishing processes in metalwork	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deals with										
Does not deal with										
GLO MW 3.10 how to research and illustrate current metalwork processes and innovations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Deals with										
Does not deal with										

Fundamental Skills (Skills needed as a base for further development. These skills are common to all Industrial Arts strands.)

General Learning Outcomes

GLO 1.1 To communicate technical ideas and designs effectively and appropriately

GLO 1.2 To apply effective decision making, problem solving and design strategies to a project

GLO 1.3 To effectively manage information

<i>The learning resource demonstrates</i>	Student Resource(s)					Teacher Resource(s)				
	none	slight	moderate	extensive	n/a	none	slight	moderate	extensive	n/a
GLO 1.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GLO 1.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GLO 1.3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Industrial Arts — Senior 1 to Senior 4

Personal Skills (Basic skills for personal effectiveness and growth. These skills are common to all Industrial Arts strands.)

General Learning Outcomes

GLO 2.1 To demonstrate responsibility in personal management, punctuality, task completion and in meeting project criteria

GLO 2.2 To make ethical decisions concerning the impact of one's activities and the use of technology

GLO 2.3 To develop an action plan relating personal aptitudes and abilities to occupational opportunities

GLO 2.4 To demonstrate safe practices in Industrial Arts facilities

GLO 2.5 To demonstrate positive attitudes to learning in Industrial Arts facilities

GLO 2.6 To adapt strategies to work effectively as a team member to complete a project

<i>The learning resource demonstrates</i>	Student Resource(s)					Teacher Resource(s)				
	none	slight	moderate	extensive	n/a	none	slight	moderate	extensive	n/a
GLO 2.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GLO 2.2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GLO 2.3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GLO 2.4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GLO 2.5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GLO 2.6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Safety

<i>The learning resource supports</i>	Student Resource(s)					Teacher Resource(s)				
	none	slight	moderate	extensive	n/a	none	slight	moderate	extensive	n/a
General Equipment – Safety Procedures (hand tools, portable tools or stationary tools)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hazard analysis	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Safe work procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Machine guarding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Personal protective equipment (PPE)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Noise control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WHMIS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Hoist and Lifting Devices—Safety Procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Welding—Safety Procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments

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