

Bachelor of Education (Elementary) & Bachelor of Education (Secondary) STEM/BETT Lesson Plan

Lesson Title: Garden spade		Lesson #	Date:Dec 13/23	
Name: Rory Campbell		Subject: Met	Grade(s): 8	
Rationale: Enhancing skill development, hand ey	e coordination and	d learning to be resp	ponsible with tools	
Core Competencies:				
Communication	Thinking		Personal & Social	
work together in a tight area, share tools Communicating – Ask others what is working, work as a team work, having finished processors work, having finished processors working area.		Personal awareness and responsibility — Set goals a monitor progress, regulate emotions Social awareness and responsibility — Working in close proximity to others,		
pieces of steer			clean up area and tools	
Big Ideas (Understand) Complex tasks may require multiple to reach end goals	ools and technolog	gies, there are no sh	ortcuts in doing difficult tasks to	
Learning Standards				
(DO)		1	(KNOW)	
Select, and as needed learn about, appropriate tools to complete a task Identify and evaluate the skills needed in relation to a specific task and develop as needed Identify and use appropriate tools and materials for production and carry out production plan		Metalworking techniques and processes using hand tools, specifically filing and cutting techniques		
Instructional Objectives & Assessmen		Τ.		
Differentiate between files and use proper technique		Project to be inspected, compared to sample and approved by instructor before moving to next step		
Prerequisite Concepts and Skills: N/A – can be learned during lesson				
Indigenous Connections/ First People N/A	s Principles of Le	arning:		
Universal Design for Learning (UDL) Students work at their own pace):			

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	Differentiate Instruction (DI):
	If required, students can work with a partner

Materials and Resources

Files, vice, emery cloth and a piece of flatbar for each student

Lesson Activities:

Teacher Activities	Student Activities	Time
Introduction (anticipatory set – "HOOK"): Refresher demo, explanation of types of files, proper techniques and how to clean file if required	Watch demo and ask questions if unsure of techniques	5 min
Body :Assist as needed, communicate with each student	Continue cross filing and draw filing projects	60 min
Closure:	Clean up area, projects in drawers, all tools back into tool locker	10 min

Organizational Strategies:

Send one table at a time to pick out a file, each student works at their own vice

Proactive, Positive Classroom Learning Environment Strategies:

Teaching one step at a time, explain to faster students to help others before next step will be explained, keep positive interactions with students individually

Extensions:

Use emery cloth for an added finish to project

Reflections (if necessary, continue on separate sheet):