

Daycare Woodworking Assignment

Activity Summary

- In this activity, students will:
- ♦ Go on a field trip and complete an activity sheet based on what they observed about the use of wood in a daycare
 - ♦ Complete a woodworking project for a daycare
 - ♦ Present woodworking project to daycare staff and children
 - ♦ Complete project journals

Prior Knowledge and Technical Skills

- **Essential Skills**
- Knowledge of safety
- Able to complete a cutting list
- Thorough knowledge of dressing and dimensions of lumber to size
- Able to problem solve and work in a group
- Understand the safe operation of woodworking tools and equipment

Teaching Planning Notes

- Review assignment including prior knowledge required and assessment and evaluation tools
- Secure appropriate resources for woodworking project
- Provide students with appropriate checklists and instructions for project completion depending on the project that is chosen based on community needs
- Contact a variety of community groups for field trip and possible woodworking project needs
- Provide an exemplar



Assessment of Student Achievement

Task	Tool / Type
Field Trip Activity Sheet	Gifts of Wood Activity Sheet and Field Trip Assessment Tool (Formative)
Woodworking Project	Gifts of Wood Rubric (Summative)
Project Journals	Gifts of Wood Project Journals Assessment Tool (Formative)

Activities and Assessment Materials

- Field Trip Activity Sheet
- Field Trip Assessment Tool
- Woodworking Project Assignment Sheet
- Woodworking Project Rubric
- Woodworking Project Journals
- Project Journals Assessment Tool



FOCUS ON LEARNING

Essential Skills:

Writing

Field Trip Activity Sheet
Woodworking Project
Project Journals

Thinking Skills

Field Trip Activity Sheet
Woodworking Project
Project Journals

Reading Text

Woodworking Project

Oral Communication

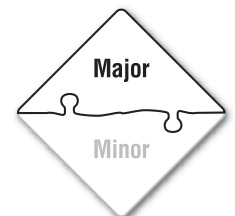
Woodworking Project
Presentation

Numeracy

Woodworking Project

Document Use

Field Trip Activity Sheet



Curriculum Linkages For Ontario Educators

Essential Skills truly are everywhere and as teachers we are always teaching students the **Essential Skills!** As subject teachers and specialists, we know that many of the curriculum expectations we are accountable to teach and assess, also address the **Essential Skills** and while the linkages are not always readily apparent, the linkages exist nonetheless.

While this activity connects to a variety of courses it is most closely aligned to the following course(s):

- Construction Technology – TCJ 2O

To assist you, the teacher, in making more transparent linkages, we have identified the following curriculum linkages for this activity.

Construction Technology - TCJ 2O

Coded Overall Expectations	Coded Specific Expectations
SPV.01C – demonstrate skill in the use of tools, materials, processes, and systems required to build, maintain, and service construction-related projects	SP1.03C – use correctly tools, equipment, and techniques to dress, measure, cut, mill, assemble, sand, and finish wood
SPV.02C – apply the design process either individually or in small groups to project assembly	SP1.08C – use a design process correctly
SPV.03C – apply problem-solving skills to projects	SP1.02C – apply problem-solving methods to investigate, analyze, and resolve the challenges presented when constructing models or mock-ups

Gifts of Wood Field Trip Assessment Tool

COMPONENT	CRITERIA	<input checked="" type="checkbox"/>	COMMENTS
Usage List	Purposes and locations of wood identified and correct	<input type="checkbox"/>	
Floor Plan	Rough Sketch completed and locations of wood properly labeled	<input type="checkbox"/>	



Gifts of Wood Field Trip Assessment Tool

COMPONENT	CRITERIA	<input checked="" type="checkbox"/>	COMMENTS
Usage List	Purposes and locations of wood identified and correct	<input type="checkbox"/>	
Floor Plan	Rough Sketch completed and locations of wood properly labeled	<input type="checkbox"/>	

Gifts of Wood Woodworking Assignment Sheet

As a class we have brainstormed several ideas for a woodworking item that we believe a daycare could use. After sending our suggestions by e-mail to the daycare, they have responded and have indicated that they would love to have a number of _____ created for their daycare.

Now that we know what we are constructing, we have to research, plan and build these items. Once they are finished, we will be presenting them to the daycare staff and children. They are very excited about our partnership and look forward to receiving the results of your skill and hard work through this project!



Assignment Requirements

To complete this assignment you will be:

Part One

- sketching
- measuring
- joining
- drafting
- machining
- surface preparing
- finishing

Part Two

- writing project journals

Part Three

- presenting your project to the daycare staff and children

Checklist

COMPONENT	DUE DATE	COMPLETED
Field Trip Activity		<input type="checkbox"/>
Sketching		<input type="checkbox"/>
Drafting		<input type="checkbox"/>
Measuring		<input type="checkbox"/>
Machining		<input type="checkbox"/>
Joining		<input type="checkbox"/>
Surface Preparing		<input type="checkbox"/>
Finishing		<input type="checkbox"/>
Writing Project Journals		<input type="checkbox"/>
Presenting Project		<input type="checkbox"/>

Gifts of Wood Rubric

CATEGORIES/ CRITERIA	LEVEL 1 (50-59%)	LEVEL 2 (60-69%)	LEVEL 3 (70-79%)	LEVEL 4 (80-100%)
Thinking and Inquiry Effectively demonstrates problem-solving skills to investigate, analyze and resolve the challenges presented when constructing the woodworking item	Limited	Somewhat	Considerable	To a High Degree
Application Correctly uses tools, equipment and techniques to:				
Measure wood	Limited	Somewhat	Considerable	To a High Degree
Cut wood	Limited	Somewhat	Considerable	To a High Degree
Mill wood	Limited	Somewhat	Considerable	To a High Degree
Assemble wood	Limited	Somewhat	Considerable	To a High Degree
Sand wood	Limited	Somewhat	Considerable	To a High Degree
Finish wood	Limited	Somewhat	Considerable	To a High Degree
Effectively applies the design process to project assembly	Limited	Somewhat	Considerable	To a High Degree

Note: A student whose achievement is below Level 1 (50%) has not met the expectations for this assignment or activity.

Gifts of Wood Project Journals

During the course of this project you will write nine (9) journal entries. You will submit five journals for evaluation. Answer the following questions in each of your journals. Provide an example of a situation for each or combine several questions into the same situation:



1. What part of the project was I working on?
2. What **Essential Skill(s)** did I demonstrate the most during the activity?
3. How are these **Essential Skills** improving based on using them?
4. Are there any **Essential Skills** I did not need to demonstrate in this activity?
Which ones are they?
5. Did I work independently?
6. Did I work as part of a team?
7. How were my work habits?
8. Was I organized today?
9. Did I show initiative?

You do not have to write your journal in order of the questions provided. You can use your own judgment and may choose to express your ideas as a story or in another format that you prefer.

Gifts of Wood Project Journals Assessment Tool

Journal #___		
COMPONENT	<input checked="" type="checkbox"/>	COMMENTS
Depth and understanding providing examples to support opinion	<input type="checkbox"/>	
Clear, Concise, Comprehensive and Complete	<input type="checkbox"/>	
Correct (spelling, grammar)	<input type="checkbox"/>	

Journal #___		
COMPONENT	<input checked="" type="checkbox"/>	COMMENTS
Depth and understanding providing examples to support opinion	<input type="checkbox"/>	
Clear, Concise, Comprehensive and Complete	<input type="checkbox"/>	
Correct (spelling, grammar)	<input type="checkbox"/>	

Journal #___		
COMPONENT	<input checked="" type="checkbox"/>	COMMENTS
Depth and understanding providing examples to support opinion	<input type="checkbox"/>	
Clear, Concise, Comprehensive and Complete	<input type="checkbox"/>	
Correct (spelling, grammar)	<input type="checkbox"/>	

Gifts of Wood Project Journals Assessment Tool

Journal #__		
COMPONENT	<input checked="" type="checkbox"/>	COMMENTS
Depth and understanding providing examples to support opinion	<input type="checkbox"/>	
Clear, Concise, Comprehensive and Complete	<input type="checkbox"/>	
Correct (spelling, grammar)	<input type="checkbox"/>	

Journal #__		
COMPONENT	<input checked="" type="checkbox"/>	COMMENTS
Depth and understanding providing examples to support opinion	<input type="checkbox"/>	
Clear, Concise, Comprehensive and Complete	<input type="checkbox"/>	
Correct (spelling, grammar)	<input type="checkbox"/>	

