

Source of Activity	OSP Check-Up Tools
Title of Activity	Construction Estimator – NOC 2234
Course Connection(s)	Grade 11, Mathematics for Work and Everyday Life, Workplace Preparation (MEL3E) Grade 12, Mathematics for Work and Everyday Life, Workplace Preparation (MEL4E) English, Grade 11, Workplace Preparation (ENG3E) Construction Technology, Grade 11, Workplace Preparation (TCJ3E) Construction Engineering Technology, Grade 12, College Preparation (TCJ4C) Construction Technology, Grade 12, Workplace Preparation (TCJ4E) Please note overall/specific expectations are identified within the activity.
Summary of Activity	Construction Estimators give customers quotes for construction projects and jobs.

Essential Skills Tasks	Essential Skills and Skill Levels	Assessment Tools	Teacher Notes
Task 1 A customer wants to know how much they would save by choosing ceramic tiles instead of porcelain tiles. Porcelain tiles cost \$16.25/sq. ft. and ceramic tiles cost \$4.72/sq. ft. The construction estimator adds 10% to all material amounts to account for waste. Look at the Estimate Detail Form to identify the number of square feet to be tiled. Calculate the cost savings	Measurement and Calculation (3) Document Use (2)	Formative	

to the client of using ceramic tiles.			
<p>Task 2</p> <p>a) Look at the Construction Contract. Highlight what the owner is responsible for removing.</p> <p>b) Look at the Construction Contract. Highlight what the owner is responsible for supplying.</p>	Document Use (2)		
<p>Task 3</p> <p>a) The construction estimator identifies the cost of supplies for the job by vendor. Look at the vendor price list. Which vendor offers the lowest total price for the supplies?</p> <p>b) Next the construction estimator costs the job by finding the lowest prices per item. Look at the vendor price list. Calculate the total cost of materials if each component were purchased from the least expensive source.</p>	<p>Document Use (2)</p> <p>Scheduling or Budgeting and Accounting (1)</p> <p>Document Use (2)</p> <p>Measurement and Calculation (2)</p>		

c) Calculate the savings if the components are purchased at the lowest individual price instead of through the vendor who offers the lowest total price.	Scheduling or Budgeting and Accounting (1)		
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Work Habits Demonstrated:

Reliability

- Following directions
- Giving attention to detail

Working Independently (if the learner is accomplishing tasks independently)

- Accomplishing tasks independently

Course Connections

Please see course connections and expectations listed at the end of the activity.