

## Developing OALCF Apprenticeship Tasks for the Competency “Use Digital Tasks” (2014/2015)

### Task-based Activity Cover Sheet

**Task Title:** Comparing Water Heaters

<b>Learner Name:</b>	
<b>Date Started:</b>	<b>Date Completed:</b>
<b>Successful Completion:</b> Yes ___ No ___	
<b>Goal Path:</b> Employment <input checked="" type="checkbox"/> Apprenticeship <input checked="" type="checkbox"/> Secondary School ___ Post Secondary ___ Independence ___	
<b>Task Description:</b> Locating information on the internet to use and communicate with customers.	
<b>Competency:</b> A: Find and Use Information B: Communicate Ideas and Information D: Digital Technology	<b>Task Group(s):</b> A1: Read continuous text A2: Interpret documents B2: Write continuous text B3: Complete and create documents
<b>Level Indicators:</b> A1.3: Read longer texts to connect, evaluate and integrate ideas and information A2.2: Interpret simple documents to locate and connect information B2.1: Write brief texts to convey simple ideas and factual information B3.2b: Create simple documents to sort, display and organize information D3: Experiment and problem-solve to perform multi-step digital tasks	
<b>Performance Descriptors:</b> see chart on last page	
<b>Materials Required:</b> <ul style="list-style-type: none"> <li>• Computer with internet access and a printer</li> </ul>	

## **Developing OALCF Apprenticeship Tasks for the Competency “Use Digital Tasks” (2014/2015)**

**Task Title:** Comparing Water Heaters

Heating, Ventilation and Air Conditioning Contractors

HVAC contractors are called to replace residential water heaters. Customers often ask them for comparisons of Tankless vs. Traditional water heaters.

**Note: All emails will be sent to your instructor, but written as if you are writing to the individual listed or job position.**

### **Learner Information and Tasks:**

**Task 1:** Research at least 3 websites and create a document for customers listing at least 5 pros and cons of both types of water heaters. Include a section for customer comments.

**Task 2:** Write an email and send it to the customer with the comparisons document attached.

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**Task Title:** Comparing Water Heaters

**Answer Key**

**Task 1** Research at least 3 websites and create a document for customers listing at least 5 pros and cons of both types of water heaters. Include a section for customer comments.

**The document should look similar to the one on the next page.**

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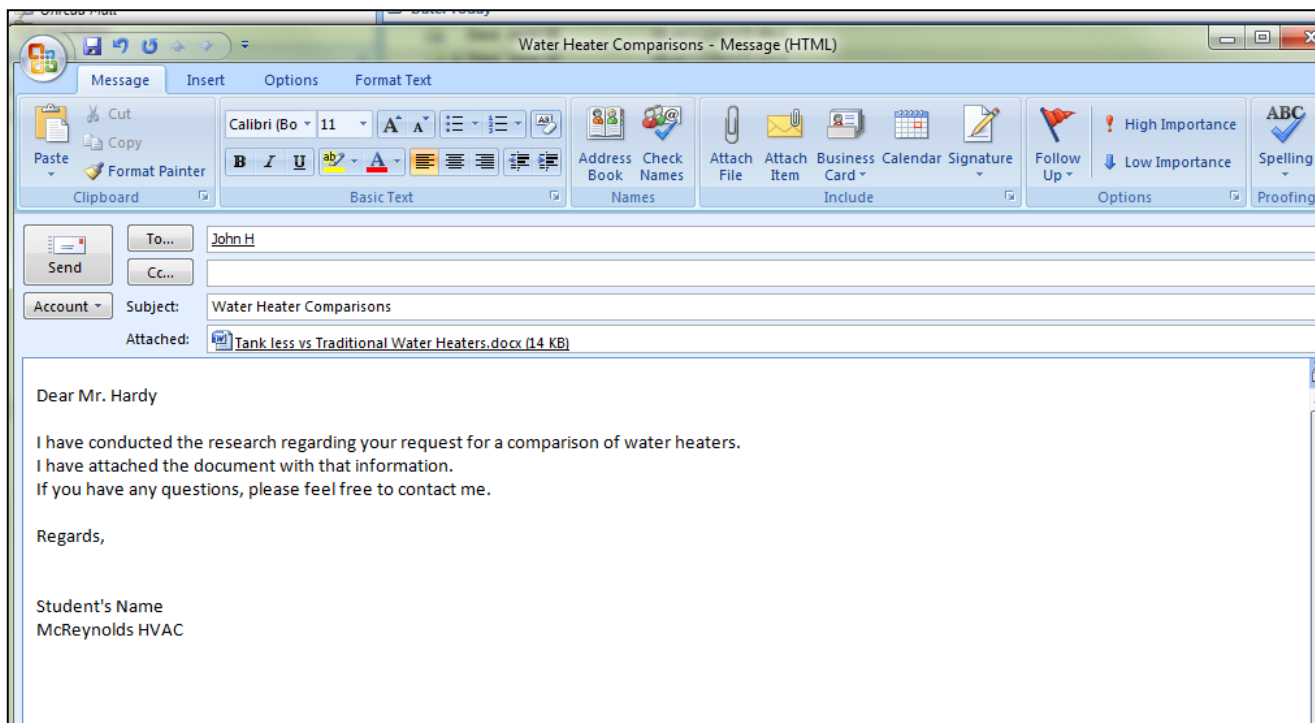
### Tankless vs. Traditional Storage Hot Water Tanks Comparison

Tank Less Water Heater	
Pros	Cons
Gas powered is more cost effective	If electrically powered not efficient
Energy savings	Variation in water temp if more than one tap is used at a time
Heat water only when the tap is turned on	Not very hot when flow is reduced
Long service life compared to traditional water heaters	High installation costs
Less space required	Flushed periodically to prevent calcium buildup
	Approx. 199,000BTU - more costly
Traditional Water Heater	
Pros	Cons
Gas powered is more cost effective	If electrically powered not efficient
Current natural gas pricing makes this less expensive	More space required
No maintenance	Not very hot when flow is reduced
Long service life compared to traditional water heaters	High installation costs
50,000 BTU - Less costly	NA
Additional Comments for the customer's consideration.	

**Note this could also be listed under “Cons”:** Canadian winters are not friendly to Tankless water heaters. It takes more energy to heat the water coming out of the ground in the winter.

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**Task 2** Write an email and send it to the customer with the comparisons document attached.



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Performance Descriptors		Needs Work	Completes task with support from practitioner	Completes task independently
A1.3	<ul style="list-style-type: none"> <li>integrates several pieces of information from texts</li> </ul>			
	<ul style="list-style-type: none"> <li>manages unfamiliar elements (e.g. vocabulary, context, topic) to complete tasks</li> </ul>			
	<ul style="list-style-type: none"> <li>identifies the purpose and relevance of texts</li> </ul>			
	<ul style="list-style-type: none"> <li>skims to get the gist of longer texts</li> </ul>			
	<ul style="list-style-type: none"> <li>begins to recognize bias and points of view in texts</li> </ul>			
	<ul style="list-style-type: none"> <li>infers meaning which is not explicit in texts</li> </ul>			
	<ul style="list-style-type: none"> <li>compares or contrasts information between two or more texts</li> </ul>			
	<ul style="list-style-type: none"> <li>uses organizational features, such as headings, to locate information</li> </ul>			
	<ul style="list-style-type: none"> <li>follows the main events of descriptive, narrative, informational and persuasive texts</li> </ul>			
	<ul style="list-style-type: none"> <li>obtains information from detailed reading</li> </ul>			
	<ul style="list-style-type: none"> <li>identifies sources, evaluates and integrates information</li> </ul>			
A2.2	<ul style="list-style-type: none"> <li>performs limited searches using one or two search criteria</li> </ul>			
	<ul style="list-style-type: none"> <li>extracts information from tables and forms</li> </ul>			
	<ul style="list-style-type: none"> <li>uses layout to locate information</li> </ul>			
	<ul style="list-style-type: none"> <li>makes connections between parts of documents</li> </ul>			
	<ul style="list-style-type: none"> <li>makes low-level inferences</li> </ul>			

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B2.1	<ul style="list-style-type: none"> <li>Writes simple texts to request, remind or inform</li> </ul>			
	<ul style="list-style-type: none"> <li>Conveys simple ideas and factual information</li> </ul>			
	<ul style="list-style-type: none"> <li>Demonstrates a limited understanding of sequence</li> </ul>			
	<ul style="list-style-type: none"> <li>Uses sentence structure, upper and lower case, and basic punctuation</li> </ul>			
	<ul style="list-style-type: none"> <li>Uses highly familiar vocabulary</li> </ul>			
B3.2b	<ul style="list-style-type: none"> <li>follows conventions to display information in simple documents (e.g. use of font, colour, shading, bulleted lists)</li> </ul>			
	<ul style="list-style-type: none"> <li>sorts entries into categories</li> </ul>			
	<ul style="list-style-type: none"> <li>displays one or two categories of information organized according to content to be presented</li> </ul>			
	<ul style="list-style-type: none"> <li>identifies parts of documents using titles, row and column headings and labels</li> </ul>			
D.3	<ul style="list-style-type: none"> <li>experiments and problem-solves to achieve the desired results</li> </ul>			
	<ul style="list-style-type: none"> <li>manages unfamiliar elements (e.g. vocabulary, context, topic) to complete tasks</li> </ul>			
	<ul style="list-style-type: none"> <li>selects appropriate software when required by the task</li> </ul>			
	<ul style="list-style-type: none"> <li>identifies sources, evaluates and integrates information</li> </ul>			
	<ul style="list-style-type: none"> <li>performs advanced searches (e.g. refines search terms, uses advanced search features, cross-refers between websites)</li> </ul>			

**This task:** was successfully completed \_\_\_ needs to be tried again \_\_\_

### Learner Comments

\_\_\_\_\_  
Instructor (print)

\_\_\_\_\_  
Learner Signature