

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

Task-based Activity Cover Sheet

Task Title: Refrigeration and Air Conditioning Product Knowledge

Learner Name:	
Date Started:	Date Completed:
Successful Completion: Yes___ No___	
Goal Path: Employment___ Apprenticeship_✓_ Secondary School___ Post Secondary ___ Independence___	
Task Description: Understand how to use the internet to search a video-sharing website to locate and use information related to product knowledge.	
Competency: A: Find and Use Information B: Communicate Ideas and Information D: Use Digital Technology	Task Group(s): A3: Extract information from films, broadcasts, and presentations. B2: Write continuous text D2: Use digital technology
Level Indicators: A3.: Tasks in this group are not rated for complexity B2.1: Write brief texts to convey simple ideas and factual information D.2: Perform well-defined, multi-step digital tasks	
Performance Descriptors: see chart on last page	
Materials Required: <ul style="list-style-type: none"> • Computer with internet access • Pencil and paper 	

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Refrigeration and Air Conditioning mechanics use the internet to access training courses and seminars offered by suppliers, employers, and trade schools.

Learner Information and Tasks:

Open a web browser. Go to you tube, and search “Lennox XC25 with Precise Comfort Technology” and select and view the video.

Task 1: Rather than having one or two speeds, explain how the Lennox XC 25 is different from other air conditioners.

Task 2: One or two stage air conditioners may produce temperature swings as they cycle on or off. List two reasons why the Lennox XC25 air conditioner and the XP25 heat pump do not produce temperature swings.

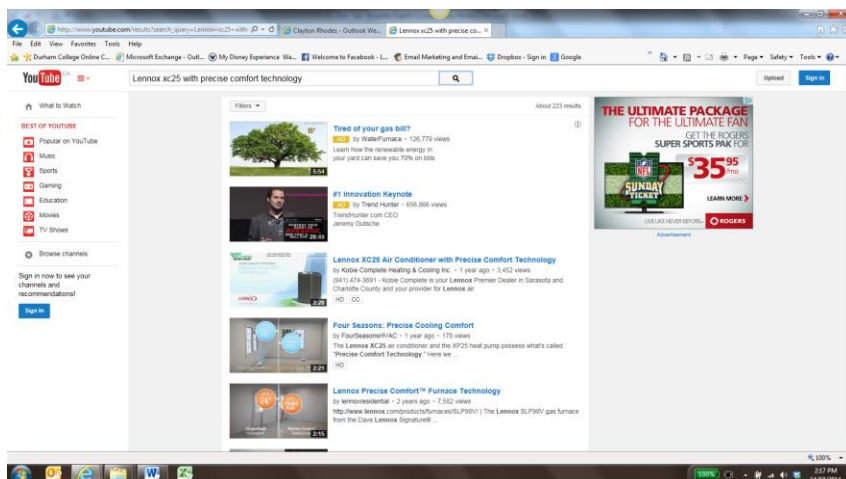
Task 3: The Lennox XC25 has three different levels of moisture removal. List the different levels of moisture removal based on where the customer lives. (A3, B3.1)

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Answer Key

- Open the internet
- Use a search engine, such as Google, to search “YouTube”



- Image as of October 2014
- YouTube URL: <https://www.youtube.com/watch?v=wFwxwuf5uDVY>
- In the search box, at the top of the screen, type “Lennox XC25 with Precise Comfort Technology”
- View the video with the closest match to the search text
 - Use Closed Captioning (cc) if necessary by clicking on the “cc” image in the bottom right corner of the video screen

Task 1: Rather than one or two stages, the XC25 can adjust compressor speed and output to any level between 35-100 percent in increments of 1 percent.

- Task 2:**
- During warm weather, the XC25 produce a continuous supply of cooled air maintaining the set temperature to within 0.5 (half) degree.
 - During cooler weather, the XP25 heat pump (*if they do not mention the name of the heat pump this is fine*) reverses the flow of heat bringing warmth from outdoor air into the home

Task 3: - normal humidity

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- dry regions
- coastal regions

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Performance Descriptors		Needs Work	Completes task with support from practitioner	Completes task independently
A3	<ul style="list-style-type: none"> Extract information from films, broadcasts and presentations 			
B2.1	<ul style="list-style-type: none"> writes simple texts to request, remind or inform 			
	<ul style="list-style-type: none"> conveys simple ideas and factual information 			
	<ul style="list-style-type: none"> demonstrates a limited understanding of sequence 			
	<ul style="list-style-type: none"> uses sentence structure, upper and lower case and basic punctuation 			
	<ul style="list-style-type: none"> uses highly familiar vocabulary 			
D2.2	<ul style="list-style-type: none"> selects and follows appropriate steps to complete tasks 			
	<ul style="list-style-type: none"> locates and recognizes functions and commands 			
	<ul style="list-style-type: none"> makes low-level inferences to interpret icons and text 			
	<ul style="list-style-type: none"> begins to identify sources and evaluate information 			
	<ul style="list-style-type: none"> performs simple searches using keywords (e.g. internet, software help menu) 			

This task: was successfully completed___ needs to be tried again___

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Learner Comments

Instructor (print)

Learner Signature