

Weekly Lesson Plan Week 22 2-3-20

Program: Plumbing

Teacher: Muschlitz

Day	Content	Anchor Standard	Skills	Activities	Assessment
Monday	Math Monday- Ohms Law POS 1400 Intro to Heat Pumps Level 200 Unit #43 Assignment sheet Heat Pump Systems, installations and operation Explain heat pump modes of operation	Reading CC.3.5.11-12.1 Math CC.2.1.11-12.1 Writing CC.3.6.11-12.1	HVAC Basic Math skills Locate and describe components of basic refrigeration cycle and heat pump system Reading, note taking, listening, observing, asking and answering questions, manipulative, practicing safety Demonstrate knowledge of hand tool chapter objectives	Math Work sheet Power point presentation Lecture- Temperature scales Job #4 conversion Video GTAC1-3 Manipulative task PC -50 Demonstration of gauges Level 200 Install Heat Pump units in lab PC-50-51-52 Lab 43-3	Daily Employability Rubric Project Skills Rubric Math Worksheet
Tuesday	POS 1400 Intro to Heat Pumps Level 200 Unit #43 Assignment sheet Heat Pump Systems, installations and operation Explain heat pump modes of operation	Reading CC.3.5.11-12.1 Math CC.2.1.11-12.1 Writing CC.3.6.11-12.1	Evaluate metering devices Electrical systems Knowledge and Reading Training units Describe the components of a Reversing Valve	Power point presentation Lecture Review Video GTAC1-3 Manipulative task PC -51 Level 200 Install Heat Pump units in lab	Daily Employability Rubric Project Skills Rubric classroom discussion, walk around the lab to check for Understanding, question and answer session.
Wednesday	POS 1400 Intro to Heat Pumps Level 200 Unit #43 Assignment sheet Heat Pump Systems, installations and operation Explain heat pump modes of operation	Reading CC.3.5.11-12.1 Math CC.2.1.11-12.1 Writing CC.3.6.11-12.1	System Operation Identify Components of system Describe molecular motion at absolute zero Discuss and define heat and the measurement of heat Real world connections Manipulative tasks	Power point presentation Video GTAC1-4 Air Conditioning systems PC 53 Level 200 Install Heat Pump unit in lab	Daily Employability Rubric Project Skills Rubric classroom discussion, walk around the lab to check for Understanding, question and answer session.
Thursday	POS 1400 Intro to Heat Pumps Level 200 Unit #43	Reading CC.3.5.11-12.1 Math	System Operation Identify Components of system	Power point presentation Video GTAC1-5 Air Conditioning systems	Daily Employability Rubric

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	Assignment sheet Heat Pump Systems, installations and operation Explain heat pump modes of operation	CC.2.1.11-12.1 Writing CC.3.6.11-12.1	Describe molecular motion at absolute zero Discuss and define heat and the measurement of heat Real world connections Manipulative tasks	PC 53 Level 200 Install Heat Pump unit in lab	Project Skills Rubric classroom discussion
Friday	Professional Development- Problem solving in the workplace, teamwork LAB - Student assigned projects	Reading CC.3.5.11-12.1 Math CC.2.1.11-12.1 Writing CC.3.6.11-12.1	Identify problem solving solutions, brain storming and communication skills Rough In fixture requirements Installing appliances to industry standards	Lecture And Discussion Break out teams, brainstorming Lab Work- Installing Appliances Hot Water heaters and equipment, sump pump etc.	Daily Employability Rubric Project Skills Rubric Weekly Journal Due