

Merz, Week of April 10-14
 Module 4: Heating Principles

Monday, April 10

30 min	Welcome back challenge—Post-it note challenge <ul style="list-style-type: none"> Connecting the dots for all of the modules. Reconnecting with students on key vocabulary and concepts following spring break
10-15 min	Explain binders for next month in preparing for the HVAC certification test
30 min	Power point, with note taking from students
30 min	You lead them through discussion of what “exemplar” answers to each question would have looked like....they should all be using the pen here to fix their mistakes and clarify their thinking...Collect these from everyone and post grades.
20 min	Partner challenge on scenario: Different manufacturers/different products Q: How can you show your expertise and impress customers? How can you maximize profits as an HVAC technician? How can you make yourself worth more to potential employers? ***Run this as a think-pair-share...get them all to talk through it
30 min	Students take the “Questions over Each Module” challenge to reacquaint them with house/warehouse and lab work so far around HVAC ***Explain that there are 2 grades today...pencil & pen grade Pencil grade: for their first attempt through the “quizzes” Pen grade (double the weight): their written explanations and corrections to the questions based on the class discussions
End with air ductwork	In the school building (AM) (PM) Ending with Module 2 math overview lessons with Ryan Rupp

Tuesday, April 11

15 min	Bell Ringer activity: reviewing the overviews of the pencil/pen quiz from yesterday. Put in Binders for Certification Prep.
30 min	Combination Power point—textbook—note-taking session, continuing on Module 4
30 min	Video clip—as springboard to discussion: Analyzing the “rights and wrongs” of DIY furnace installation video content. Teacher lead Q&A, promoting

	discussion of how video content directly relates to our power point and textbook content
20-30 min	Edpuzzle.com video –students individually listen to video and answer questions for formative grade.
30 min	Quizlet.live and Kahoot review session
Remaining time	In the school building (AM) (PM) Ending with Module 2 math overview lessons with Ryan Rupp

Wednesday, April 12

15 min	Bell Ringer Challenge Examining the manufacturer claims on efficiency and customer satisfaction from different manufacturer guides
30-40 mins	Series of challenges, ran in sequence, for different furnace installation potential problems. Partners work to solve the challenges, share out as a whole class.
30 mins	Notes on Module 4, power point and textbook
Remaining time	In the school building (AM) (PM) Ending with Module 2 math overview lessons with Ryan Rupp

Thursday, April 13

30 min	Bell Ringer IPAD investigation: Web Quest Challenge: Students will be given the challenge of creating a cyclical flow of Service call for different calls. The focus of this is on the sequence of operations. Students will be given 20 mins and large paper and then will have a class share out where I can provide the missing information/details. Helping students identify the best points to have included on each type of service call.
30 min	Finish notes on Module 4, power point and text book
20 min	Vocabulary challenge
30 min	Module 4 summative quiz
Remaining time	In the school building (AM) (PM) Ending with Module 2 math overview lessons with Ryan Rupp

Week of April 17—21, Merz

Objective: Plumbing Principle Module—with whole-class participation in Skills preparation

**** This week, am kids will be working on the math lessons that the pm kids received last week.**

Mon, April 17

15 min	Review Summative Quiz from last Thursday, Heating Module
15 min	Bell Ringer—watching video of former Plumbing Skills USA challenge Discuss the different parts of the competition: Knowledge and Skills of Plumbing competition (2 in am class, 1 in pm class will be competing. Using whole class as preparing and learning the plumbing principles together through this challenge)
30 min	Working as a whole class through the test portion of Skills USA (see printed sample Plumbing Quiz, form 2012 competition)
20	Equipment check exercise— Students will be given a blank copy of the equipment & tools check list to predict what the guidelines should be. I will give them the actual guides and talk through what they did know and what they weren't able to guess about expectations.
Remaining time	Setting up the lab for the competition, breaking into Skills teams and starting the challenges, preparing the students who will be competing.
Binder check	Students will end with connecting today's lesson to Plumbing Module vocabulary terms <ul style="list-style-type: none">• To build our preparing for ECA binders.

****We will follow this basic format for the entire week –working on Plumbing principles all week.**

Friday, April 21

****All students will take a test over the Plumbing Module**