Hands-On Training Beyond the Classroom

Overview

- Me and CET
- Hands-On Training – What's the Point
- Mind Your P's and K's
- Variety – The Spice
- Spirals
- Students as Resources
- Wrap Up

Presenter

- Stan Swiercz
- CET Training Manager

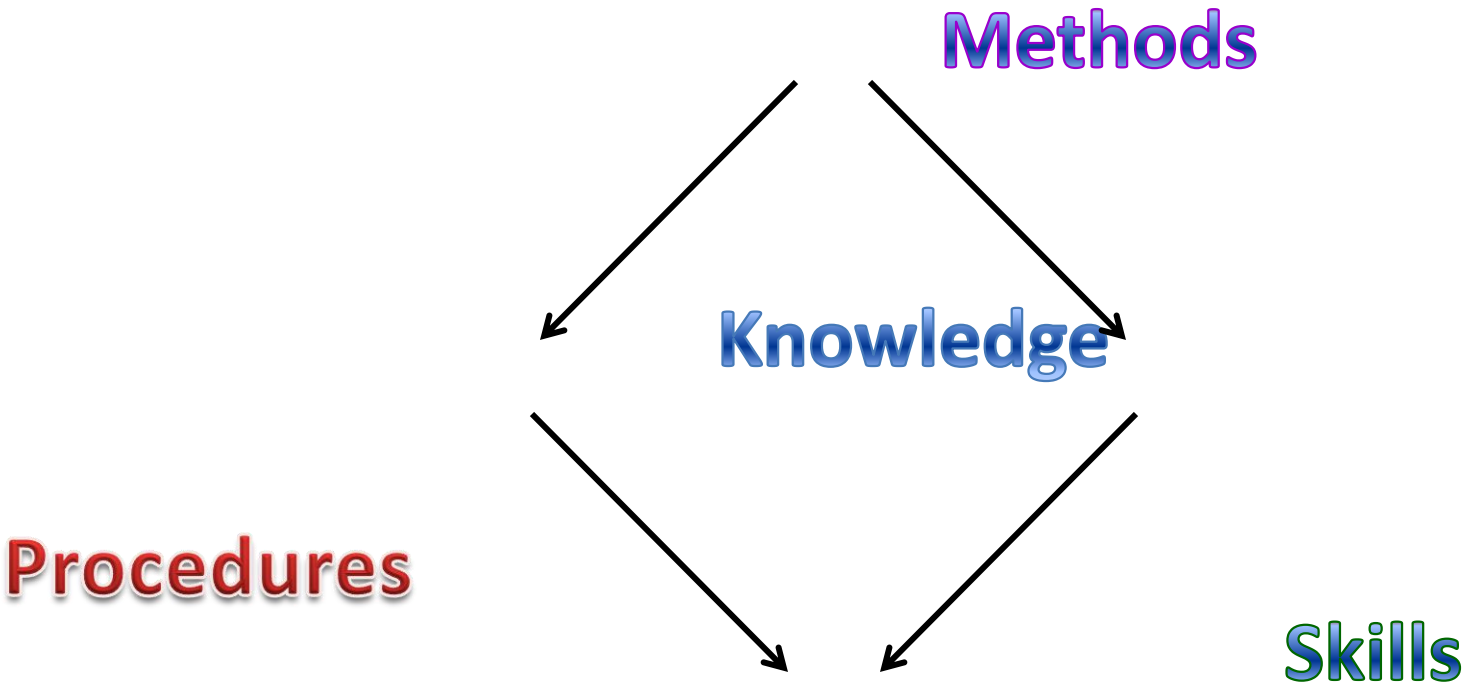
CET

- Center for Ecological Technology
- 35 Years
- Training and Course Development
- Mass Save
- ReStore
- Green Business and Waste Management Consulting
- Environmental Outreach and Public Education

What Is the Purpose of Hands-On Training?

Help students learn to do things

Where do you start?



Example Air Sealing Procedures

Procedures

ATTICS
Flues (non-rated)
Wall Top Plates
Open Chases/Wet Walls
Soffits
Dropped Ceilings (Type 1)
Chimneys
IC-rated Recessed lights
Non-IC rated recessed lts.
Junction Boxes
Wire Penetrations

Knowledge

- Explain what a top plate is and the importance of sealing them
- Identify which ones need to be sealed

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Skills

- Basic attic access and safety techniques
- Select the correct sealant material for the conditions and the correct delivery system

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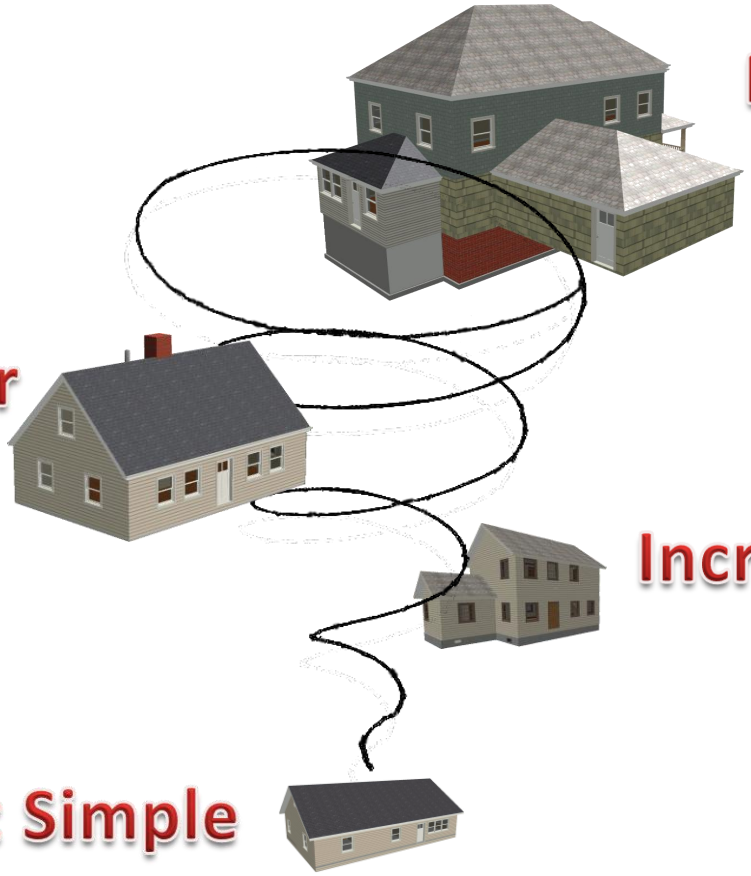
Methods – Variety Is the Spice

Lesson 2: Attic Air Sealing

Topic	Time
a. Review/Overview	10
b. Hands On Activity: Curious About Caulk, Part 1	15
c. Discussion/Lecture: Of Foam and Caulk	15
d. Student Activity: Material Safety Data Sheets	15
e. Air Sealing Lab 2-1: Caulking Attic Leakage Points	40
f. Student Exercise: Review Parts of a House	15
g. Lecture: Controlling Air Movement	15
h. Demonstration: DOE WAP Stack Effect Apparatus	25
i. Hands On Activity: Curious About Caulk, Part 2	10
j. Lesson Conclusion	15
Homework: Study *Insulate and Weatherize*: Harley pp. 6-20	2 hours 55 min.

You Can't Teach Everything at Once



Air Sealing with Foam - Beginning

Air Sealing with Foam – Increase Complexity

Air Sealing with Foam – Build on Prior Learning

Air Sealing with Foam – Real World

Who Is Your Student?

This?

Or

This?

Air Sealing with Foam – Real World

- Students learning how to do
- Procedures first - Knowledge, Skills, and Methods follow
- Keep it interesting - Vary instructional methods
- Start simple – Build over time
- Your students are a resource

THANK YOU