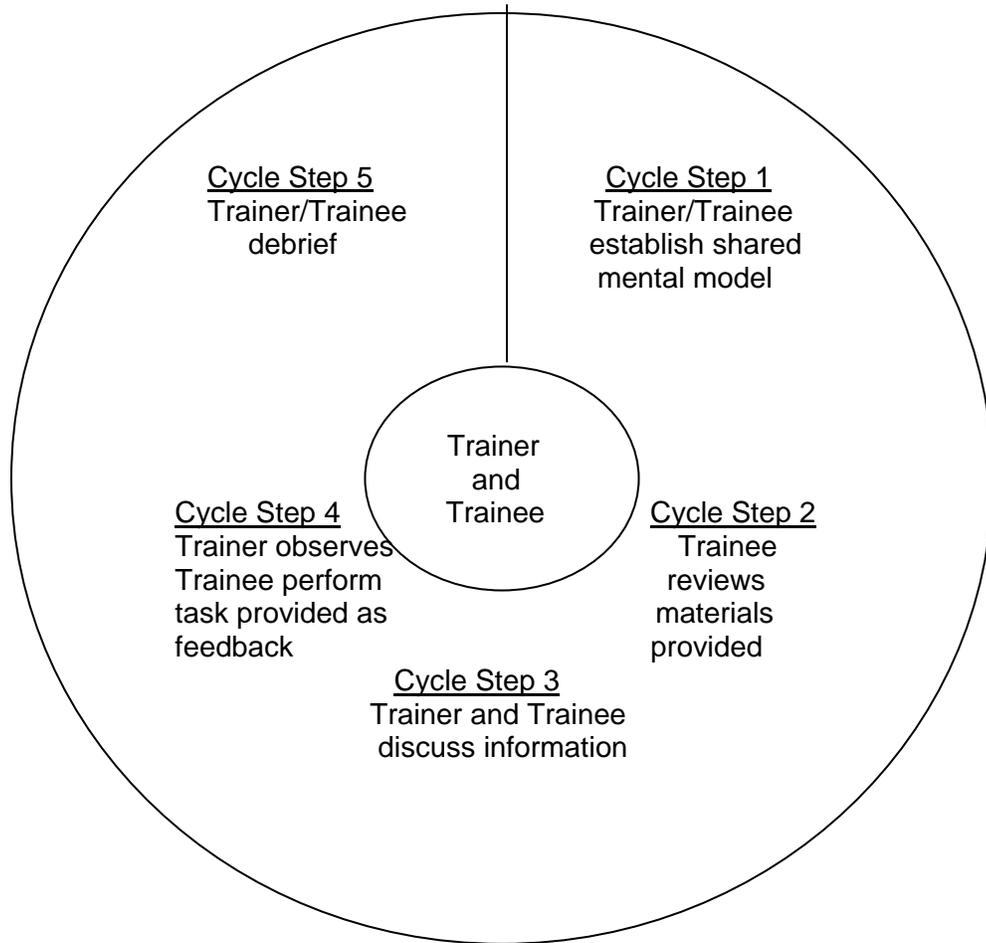


OJT Training Module Cover Sheet

Title: 104 Understand the differences between soil properties and qualities.
Type: <input type="checkbox"/> Skill <input checked="" type="checkbox"/> Knowledge
Performance Objective: Trainee will be able to ... <ul style="list-style-type: none">• Recognize the difference between a soil property and a soil quality.
Target Proficiency: <input type="checkbox"/> Awareness <input type="checkbox"/> Understanding <input type="checkbox"/> Perform w/ Supervision <input checked="" type="checkbox"/> Apply Independently <input type="checkbox"/> Proficiency, can teach others
Trainer Preparation: Trainer should be familiar with the assigned reading/review material in the lesson plan that follows.
Special Requirements: Initiate an external learning request with a SF-182 in Aglearn for this activity. Instructions and a template are located on the training webpages for OJT modules.
Prerequisite Modules: None
Notes: None
Authors: Marc Crouch
Approved by: Shawn McVey

The Five-Step OJT Cycle for Declarative Training (Knowledge)



OJT Module Lesson

Title: 104 Understand the differences between soil properties and qualities	
WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Cycle step 1	Trainer and trainee review the objective and agree on the purpose of this module.
Cycle step 2	Have trainee access via the internet and read/review: <ul style="list-style-type: none"> • NSSH Part 618, section 618.0 Definition and Purpose. • NSSH Part 618, sections 618.03 through 618.72.
Cycle step 3	<ol style="list-style-type: none"> 1. Discuss the difference between soil properties and soil qualities as they are defined in the NSSH. 2. After reviewing 618.03-618.72, look at the 232 Soil Description form and discuss the soil properties (which you measure) and the soil qualities (inferred from the properties) that we describe there. 3. Discuss the seven soil properties that we should describe and that most soil qualities are inferred from (using 2 or more of the 7) <ol style="list-style-type: none"> i. Sand ii. Silt iii. Clay iv. Fragments v. Organic matter vi. Bulk density vii. Water states 4. Many have referred to at least some of the soil qualities listed in 618.04-618.72 as soil interpretations (for example, drainage class, texture, and hydrologic group). Note to the trainee that this distinction is a matter of semantics and not a difference in definition.
Cycle steps 4 & 5	Answer any questions from the trainee and make sure the trainee is comfortable with differences.

OJT Module Lesson Measurement of Learning

Title: 104 Understand the differences between soil properties and qualities	
WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Quiz	Complete the quiz below.

SF-182

Trainee and/or supervisor access Aglearn to verify completion of the module via its SF-182.

Quiz

1. Soil properties are measured or inferred from direct observations in the field or laboratory.
 - a. True
 - b. False

2. Soil qualities are behavior and performance attributes that are not directly measured.
 - a. True
 - b. False

3. Bulk density is a:
 - a. Property
 - b. Quality

4. Calcium carbonate equivalent is a:
 - a. Property
 - b. Quality

5. Corrosion is a:
 - a. Property
 - b. Quality