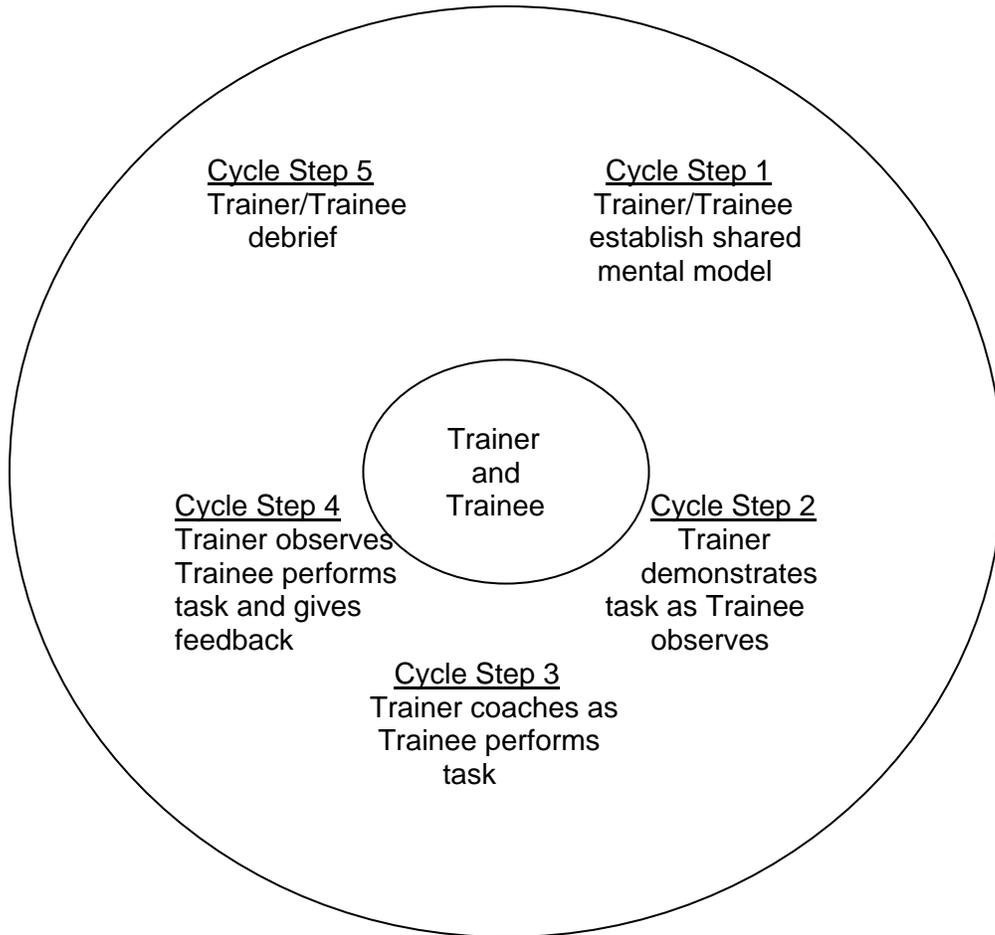


OJT Training Module Cover Sheet

Title: 117 Fragments-How to describe size of rock and other fragments in the soil.
Type: <input checked="" type="checkbox"/> Skill <input type="checkbox"/> Knowledge
Performance Objective: Trainee will be able to ... <ul style="list-style-type: none">• . Describe sizes of rock and other fragments following NCSS guidelines.
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: <ul style="list-style-type: none">• Trainer should be familiar with the assigned reading/review material in the lesson plan that follows.• Have field locations with pit, trench, road cut, or auger borings available.• Have the <i>Field Book for Describing and Sampling Soils</i> available.• Have hardcopy of the 232 soil description form or Pedon PC available.
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: <ul style="list-style-type: none">• 101 How to use the <i>Field Book for Describing and Sampling Soils</i>.• 102 How to fill out a 232 soil description form.• 116 How to describe content of rock and other fragments in the soil.
Notes: This module could be completed in conjunction with the module <i>116 Fragments-How to describe content of rock fragments in the soil</i> .
Authors: Cathy Seybold Marc Crouch
Approved by: Shawn McVey

The Five-Step OJT Cycle for Procedural Training (Skill)



OJT Module Lesson

Title: 117 Fragments-How to describe size of rock and other fragments in the soil.	
WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Cycle step 1	<p>Trainee should access via the internet and have read Soil Survey Manual, Chapter 3 section on rock fragments.</p> <p>Access via the internet and be familiar with National Soil Survey Handbook, Part 618, Exhibit 11 Rock Fragment Modifier of Texture.</p> <p>Access hardcopy or via the internet and review material in the <i>Field Book for Describing and Sampling Soils</i>, focusing on the chart for size classes and descriptive terms under Fragments and texture modifiers under Texture.</p>
Cycle step 2	Do the following:
1. Review what is recorded according to the Field Book and SSM.	Note that size is recorded in the <i>Rock Frags</i> column and texture is modified appropriately in the <i>Texture</i> column.
2. Demonstrate how to describe and record the size of rock, pararock, and other fragments.	<p>Do this in the field.</p> <ul style="list-style-type: none"> Do for size classes as appropriate.
3. Demonstrate how to determine the appropriate texture modifier(s) to be used.	<p>Do this in the field if possible.</p> <ul style="list-style-type: none"> Do for horizons with single size class fragments and modify the texture appropriately on the 232 soil description form. Do for horizons with more than one size class evident. Follow guidelines provided with the texture modifiers table in the Field Book (see footnote located there) to determine appropriate textural modifier. <p>Do this in the office:</p> <ul style="list-style-type: none"> Access via the internet and NSSH Section 618, open and use the MS Excel spreadsheet that calculates the texture modifiers for flat and nonflat rock fragments (table 1 within Exhibit 11 of NSSH Part 618).
Cycle step 3	Coaching the trainee, have the trainee describe and record fragment size as appropriate in your survey area.

Cycle step 4	Repeat cycle step 3 without coaching. During project activities, assign the trainee the task of describing and recording the size of rock, pararock, and other fragments as soil descriptions are completed.
Cycle step 5	Answer any questions. Repeat any steps as necessary.

OJT Module Lesson Measurement of Learning

Title: 117 Fragments-How to describe size of rock and other fragments in the soil.

WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Describe the size of fragments sizes routinely during project activities.	During project activities, assign this task to the trainee. Sign off on performance when target proficiency is achieved.

SF-182

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