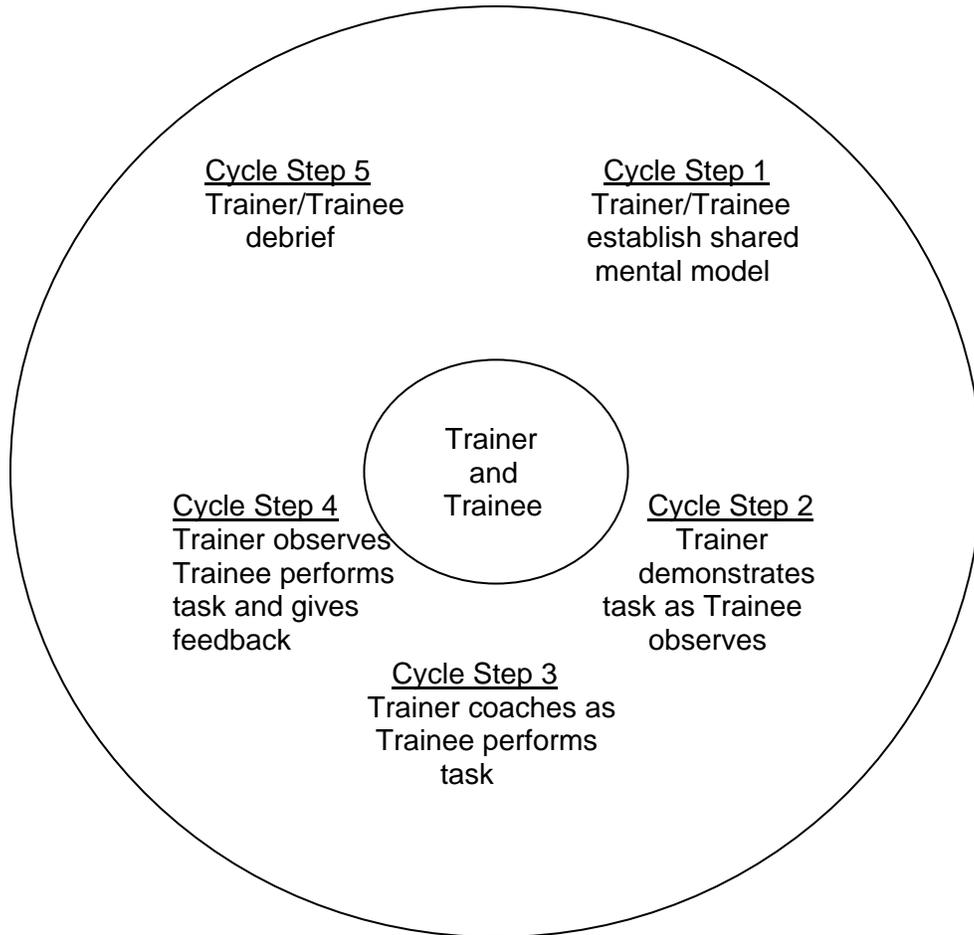


OJT Training Module Cover Sheet

Title: 121 Soil Consistence: How to describe block, ped, and clod cementation.
Type: <input checked="" type="checkbox"/> Skill <input type="checkbox"/> Knowledge
Performance Objective: Trainee will be able to ... <ul style="list-style-type: none">• Describe and record block, ped, and clod cementation using the <i>Field Book for Describing and Sampling Soils</i>.
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 soil samples and 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.
Notes: None
Authors: Cathy Seybold Marc Crouch
Approved by: Shawn McVey

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



OJT Module Lesson

Title: 121 Soil Consistence: How to describe block, ped, and clod cementation.	
WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Cycle step 1	<p>Trainee should access via the internet and read Soil Survey Manual, Chapter 3 section on soil consistence.</p> <p>Access hardcopy or via the internet and review material about soil consistence in the <i>Field Book for Describing and Sampling Soils</i>, with emphasis on cementation classes and cementing agents.</p>
Cycle step 2	Do the following:
1. Review what can be recorded according to the Field Book and SSM.	<p>Note that rupture resistance has separate estimates for blocks, peds, and clods and for surface crusts and plates and that cementation is described only for blocks, peds, and clods.</p> <p>Note that cementation can be estimated in the field, but that this estimation is not a field test.</p>
2. Demonstrate how to describe and record cementation following the Field Book instructions.	<ul style="list-style-type: none"> • Estimate in the field. • Record cementing agent if known or identifiable. • Take specimen to your office and air-dry it. • Place the specimen in water for a minimum of 1 hour. • Record cementation class.
Cycle step 3	Coaching the trainee, have the trainee describe and record cementation as appropriate in the survey area.
Cycle step 4	Repeat cycle step 3 without coaching.
Cycle step 5	During project activities, assign the trainee the task of describing and recording cementation as soil descriptions are completed.
Cycle step 5	Answer any questions. Repeat any steps as necessary.

OJT Module Lesson Measurement of Learning

Title: **121 Soil Consistence: How to describe block, ped, and clod cementation.**

WHAT	WHY, WHEN, WHERE, HOW, SAFETY, QUALITY
Describe cementation 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.