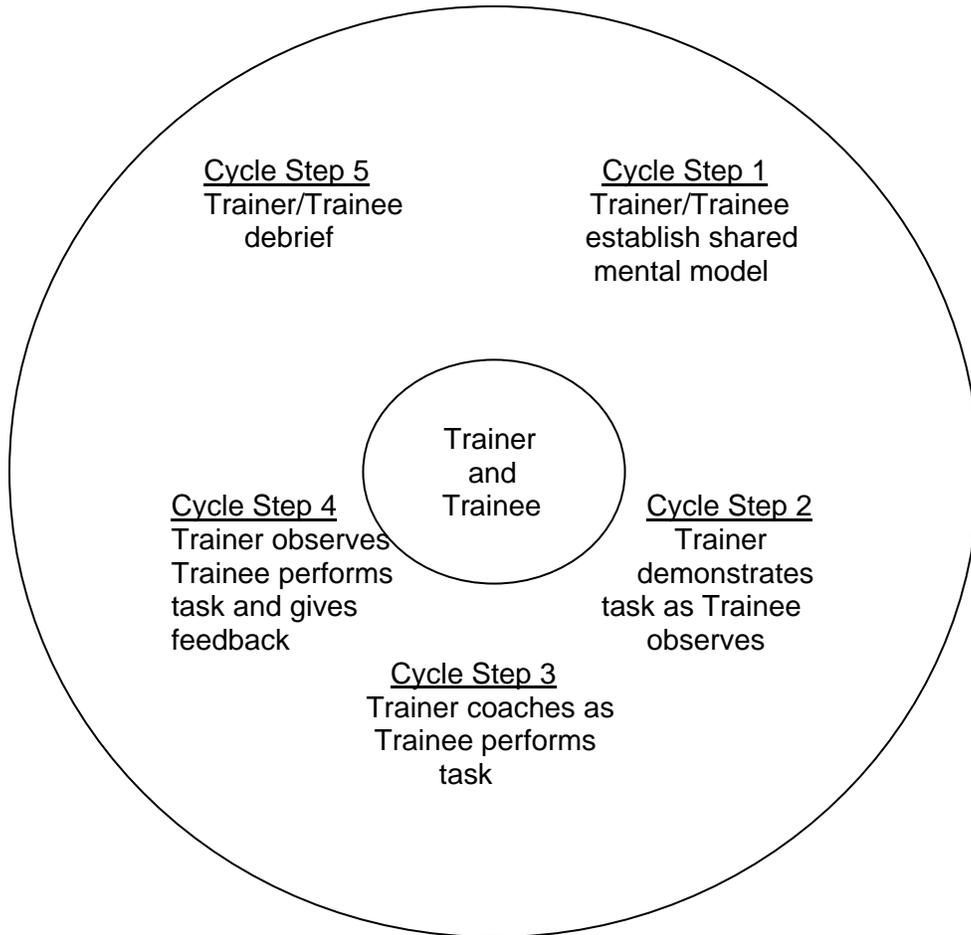


OJT Training Module Cover Sheet

Title: 125 How to describe pores in 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 and record pores 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: Marc Crouch
Approved by: Shawn McVey

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



OJT Module Lesson

Title: **125 How to describe pores in soil.**

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 pores.</p> <p>Access hardcopy or via the internet and review the material about pores in the <i>Field Book for Describing and Sampling Soils</i>.</p> <p>Understand that estimates of pores are considered somewhat tenuous but useful.</p>
Cycle step 2	Do the following:
1. Review what can be recorded according to the Field Book and SSM.	<p>Note that quantity and size are usually recorded. Recording pore shape and vertical continuity is optional.</p> <p>Note that this is done on a horizontal plane, recording the average of 3-5 unit areas within that horizontal plane. Note that each unit area varies in size with the size class of the pores being considered. Review the SIZE table, first and last columns. The pores described should be limited to those that can be seen with a 10X or larger hand lens.</p>
2. Demonstrate how to describe and record pores as they occur in the survey area	<p>Do this in the field:</p> <ul style="list-style-type: none"> • Create a horizontal plane within a horizon. • Determine first size class. • Determine unit area size to be assessed. • Select 3-5 units of that size within the horizontal plane created. • Record quantity and size. • Repeat for each size class observed within the horizon via the horizontal plane.
Cycle step 3	Coaching the trainee, have the trainee describe and record pores as appropriate in the survey area.
Cycle step 4	<p>Repeat cycle step 3 without coaching.</p> <p>During project activities, assign the trainee the task of describing and recording pores as soil descriptions are completed.</p>
Cycle step 5	Answer any questions. Repeat any steps as necessary.

OJT Module Lesson Measurement of Learning

Title: **125 How to describe pores in soil.**

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