



OSHKI

Oshki-Pimache-O-Win

EDUCATION & TRAINING INSTITUTE

DESIGN BRIEF
Chemistry 1 PH 148
Semester 1
Video: Laboratory Equipment and Usage

VERSION:1 DATE: July 7, 2009

About this document

1.1 Purpose

The purpose of this document is to describe the key concepts, learning outcomes and proposed learning activity for a learning object. This document provides the basis from which the learning object design specification is developed by the engaged multimedia developer and educational design team.

2 Key ideas and learning outcomes

2.1 Key concept/s

This learning object will develop student understanding of the following educational concept/s:

- a. Recognize the various laboratory equipment used in chemistry experiments
- b. Recognize the proper use of various laboratory equipment
- c. Apply proper measurement techniques
- d. Recognize the importance of proper measurement in chemistry

2.2 Learning outcome

Specific learning outcome/s and learning design considerations for this learning object have been derived from these educational concepts. They have been defined with respect to the targeted learning focus.

Learner profile/ years	Learning outcomes	Learning design considerations
Considerations for learning design for the targeted users Visual introduction to the kind of equipment used in chemistry experiments. Visual introduction to the proper used of laboratory equipment used in chemistry experiments (measuring from bottom of meniscus, making drops, titrating by drops, observing colour changes).	What the student will know and be able to do as a result of participating in the learning activity Students will be able to: <ul style="list-style-type: none">• Identify the various laboratory equipment used in chemistry experiments• Gain knowledge of the correct use of laboratory equipment used in chemistry experiments• Apply the proper use of laboratory equipment	Considerations for information and interaction design Information will provide a visual learning tool of actual lab equipment and its proper use. Information will be provided in English, Cree, and Oji-Cree.

3 Learning activity

The student will be able to identify the various laboratory equipment used in chemistry experiments as well as their correct usage. Experiments in chemistry require specific laboratory equipment and require careful measurement. The video will provide a visual learning tool so students will become knowledgeable about lab equipment and its use prior to conducting chemistry experiments on campus.

Approvals

Name	Position	Signature	Date
Gordon Kakegamic	E-Learning Co-ordinator		
Terri Dickson	Education specialist		