



**Science Unit:** *Temperate Forest*

**Lesson 8:** *Comparing Deciduous and Evergreen Trees - Extension*

School year: 2006/2007

Developed for: Lord Selkirk Annex Elementary School, Vancouver School District

Developed by: Elaine Humphrey (Scientist), Gwynne Thompson and Charlene Yu (teachers)

Grade level: Presented to grades 1 - 2; appropriate for grades 1-4 with age appropriate modifications.

Duration of lesson: 1 hour and 20 minutes

Notes: This activity can be used with conifers all year. Broadleaved trees are more difficult to find in the winter months.

### **Objectives**

Students will learn to identify several tree species particularly local conifers.

### **Materials**

Sets of cedar, Douglas fir, hemlock, pine leaves and broadleaf (e.g. maple) for each student.

Identification sheets, student worksheets

### **Introductory Discussion**

How many of you like to play “what’s the difference” between two pictures? (TV Guide has them each week). In order to identify a tree, you have to recognize its characteristics and you have to be able to see the difference between that tree and another species. Review the difference between broadleaf and needle leaf trees

### **Science Activity**

Using the identification sheet, identify the cedar, pine, hemlock and Douglas fir in the set of twigs given. On the activity sheet, scotch tape the twig in the right quadrant and draw the leaves alongside.

### **Closure Discussion**

These four tree specimens are chosen because they are the most seen in the forest we will be going to on our field trip.

Which one has the shortest needles?            Which one has the longest needles?

Which one has needles of different sizes?    Which one has needles all the same size?

### **References**

1. B.C. Ministry of Forests. 1999. Forests in Focus. ISBN 0-7726-3966-3
2. Brough, Sherman G. 1998. Wild Trees of British Columbia, Pacific Educational Press.

STUDENT WORKSHEET

1. Draw pine twig with needles

3. Draw a hemlock twig with needles

2. Draw a cedar twig with scales

4. Draw a Douglas fir twig with needles