



# PEPÁKEN HÁUTW Native Plants & Garden Education Program

LÁU,WELNEW Tribal School, Brentwood Bay BC

Teacher: Berkeley Lott

Grade Level: Gr. 9/10

Subject: seeds, seedlings, planning a vegetable garden, edible native plants in spring, invasive species identification, native plant restoration

Lesson Title: **CENKI,LES! Native Plants & Garden Transplanting**

Time Needed: 55 mins

Date: April 12 2016

## BC Min of Ed Learning Outcomes addressed in this lesson:

Science 9 (2006) 9/10 demonstrate ethical, responsible, cooperative behaviour

Science 10 (2008) 10 explain the interaction of abiotic and biotic factors within an ecosystem

Science 10 (2008) 10 assess the potential impacts of bioaccumulation

Science 10 (2008) 10 explain various ways in which natural populations are altered or kept in equilibrium

Science 10 (2008) 10 evaluate possible causes of climate change and its impact on natural systems

## Objectives -Through these learning activities, the student will demonstrate the ability to:

- Recall how to prepare a vegetable garden bed
- Talk about planning the garden
- Review Seeding Chart to figure out what to plant
- Pick out plants and seeds to plant
- Plant seeds and transplants

## WORKSHOP ACTIVITIES

### Time Activity

2min Opening Circle: What do you do enjoy most about CENKI,LES? What native plants or garden plants do you like to eat? Introduce activity and give a reminder of respect for the space and others.

Ground rules for working with the garden (respectful use of tool, respect for shared space). Introduce today's activities.

Break into 2 groups

Instructional Activities

(Checking for Understanding, modeling, guided practice, independent practice)

Vegetable Garden:

25mins

1. Students gather tools, seedling flats, and a wheelbarrow or two of sea soil/compost and bring to their courtyard garden.
2. Discuss the importance of macro nutrients in the soil (nitrogen, phosphorus and potassium) and prepping a bed for planting.
3. Have students amend the beds and get them ready for planting tell the others how they prepped beds last Tuesday
4. Students talk about planning the garden, and review seeding chart
5. Students choose seeds and transplants to plant.
6. Plant the gardens (greens, brassicas, peas)
7. Students label and date the plants and make a plan to plant warmer weather plants.

#### Native Plants:

25  
mins

1. Discuss native plants, explore some of the plants in the native plant nursery (KEXMIN Indian consumption plant *Lomatium nudicaule*, KÓ,PEŁĆ Devil's club *Oplopanax horridus*, TI,IŁĆ Yerba Buena *Satureja douglasii*)
2. Observe the plants growing in the native plant gardens (KŁO'EL *Cammassia spp*, TĒLIK' EŁP Yarrow *Achillea millefolium*, JSÁY Douglas fir *Pseudotsuga menziesii*, DEWĪ,EŁĆ Grand fir *Abies grandis*, KĒLKE IŁĆ Nootka rose *Rosa nutkana*), check in about some of the differences between forest and meadow ecosystems
3. Identify invasive species in native plant gardens
4. Do invasive removal and transplant native plants into the native plant gardens

2mins

Closing Circle: Review what we learned today and list any favourite foods. HÍ,SWĶE for your work!

#### Materials Needed:

- SeaSoil or Finished Compost and Wheelbarrow
- Seeds, seedlings, pots, soil. Trowels, Gloves
- Seeding Chart
- Labels and pens to make signs
- Shovels
- Assorted native plants for observing and transplanting

**Please fill out our feedback forms and leave them in the envelope at the front office!**

**HÍ,SWĶE SIÁM!**