



## PEPÁKEN HÁUTW Native Plants & Garden Education Program

LÁU, WELNEW Tribal School, Brentwood Bay BC

Lesson Title/Topic: ĆENQOLEW Moon & Welcome Back Harvest	Grade Level: 3	Subject: garden harvest, fall seed collection and seeding for meadow plants
	<b>Time Needed: 45 mins</b>	<b>Date: Sept 15, 2015</b>

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

- Science
  - compare familiar plants according to similarities and differences in appearance and life cycles
  - describe ways in which plants are important to other living things and the environment
  - describe how plants are harvested and used throughout the seasons
- Social Studies- Human and Physical Environment
  - demonstrate a sense of responsibility for the local environment
  - research and report on how BC Aboriginal peoples use plants for food, medicine, and products.
- Processes of Science
  - Ask questions that foster investigations and explorations relevant to the content

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

- Investigate and identify different food plants
- Compare plants in different stages of their lifecycles
- Harvest plants from the garden
- Discuss the reasons why planting food is important
- Use their senses to experience the garden (sight, smell, taste, touch, interact with)
- Practice seed collection techniques
- Propagate native plant species by seed

### WORKSHOP ACTIVITIES

Time	Activity
2mins	Introduction to workshop facilitators
	Ground rules for investigative learning (start with what you know, ask questions, make hypothesis- I think, I wonder, collaborate, test your idea, share, get a little dirty, use a knowledge circle)
	Break up into 2 groups
	<b>Instructional Activities</b>

**(checking for understanding, modeling, guided practice, independent practice)**

*Vegetable Garden:*

1. Vegetable/Plant treasure hunt:

Each group has a picture of a garden vegetable, they match the pictures up with what is growing in the garden and then tell the class about what they observed. "What do you already know about this plant? What did it, look, smell, taste like? Why do you think it is important to grow it?"

2. Lifecycle- what is happening to the plants in this bed that are standing straight up? What do you already know about a plants' lifecycle?

3. Harvest- How do you know a plant is ready to harvest? Harvesting: beans, greens, cucumbers and carrots.

5. Taste test using your senses: carrots, tomatoes etc.

*Native Plants:*

1. Native Plant Seed Tour

Students will discover which native plants in the garden are 'going to seed'. We will focus on KEXMIN (Indian consumption plant, *Lomatium nudicaule*) and KLOEL (Camas, *Camassia spp.*). Students will try and remember what these plants looked like at earlier stages of the year, and examine pictures showing the flowers of these plants.

2. Seed Collection

Students will carefully collect the seeds from both the KEXMIN and KLOEL. We will discuss the nature of the seeds and examine their characteristics. We can taste the KEXMIN! Students can share any experience they have collecting seeds or plants for food or medicine.

3. Fall Seeding for Meadow Plants

If time allows, we will seed some of the KLOEL and other meadow native plants into trays as a group.

Knowledge Circle/Closing: (taking some notes at this time might be a good idea)

To the students, now that you have had an introduction into the garden, 'What do you wonder about?' How can you investigate further before we meet again?

Next time we meet we will be getting the garden ready for fall, saving seeds, and 'putting the garden to bed'. We will also be planting some of the meadow and forest plants into the native plant gardens!

## Materials Needed:

- Knife (to cut carrots before lesson)
- Garden Plant 'treasure hunt' cards
- Garden Gloves and Trowels
- Native Plant Knowledge Cards or Native Plant Photos
- Seeds, meadow soils and trays

## Follow up Activities:

1. Take samples of veggies from the garden to the classroom to clean, taste and learn about.
2. Discuss any native plant collection activity done by students' families or community members. Does anyone they know collect and use KEXMIN?
3. What 'I wonder' or 'I think' questions came up out of the knowledge building circle? How can these be investigated further?

## Optional Pre Activity for the Next Workshop:

1. Group Created Fact Sheets, write guiding questions in the middle of individual chart paper sheets.

### Example Questions:

- What do we receive from a garden?
  - How does a garden help feed a community? (Physically, Mentally, Emotionally, Spiritually, etc.)
  - What are seeds and why are they important?
  - What does a garden need from us?
2. Separate students into small groups and assign each group to a sheet. Allow students to brainstorm and record numerous responses.
  3. Rotate students to another sheet, allow students to brainstorm and record several responses.
  4. Review each question as a whole group, revising facts as needed and discussing responses to broaden student's understanding.

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

**HÍ,SWKE SIÁM!**