

A Kīpuka for Every School

Lesson 8: Kīpuka First Breath

Lesson Objective(s):

- Implement their kīpuka planting project
- Reflect on how their prepping played into the actual event
- Begin to think about how they can live like a kīpuka

Learning Standard	
NGSS-4ESS2-2	Analyze and interpret data from maps to describe Earth's features.
LA 4.SL.4	Report on a topic or text, tell a story, or recount an experience in an organized manner, using appropriate facts and relevant, descriptive details to support main ideas or themes; speak clearly at an understandable pace.
Math 4.MD.3	Apply the area and perimeter formulas for rectangles in real world and mathematical problems. For example, find the width of a rectangular room given the area of the flooring and the length, by viewing the area formula as a multiplication equation with an unknown factor.
Math 4.G.1	Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel line. Identify these in two-dimensional figures.

Lesson Launch Notes:

Practice their oli komo

Lesson Closure Notes:

Blessing to the new kīpuka

Kīpuka First Breath (Total: 120+ minutes)

Activity 1: Organize supplies

1. Have students organize the supplies they need for the planting

Activity 2: Kīpuka Protocols

1. Walk students to the prepared kīpuka site with their supplies

2. Have them take a moment to observe the area how it is in this moment; take a mental picture.
3. Have students do a oli to the site.

Activity 3: Kīpuka Grows

1. Have students get in their jobs and begin the process of planting the kīpuka.
2. Remind students to take care in their jobs and give good energy to all the plants.
 - a. Hole digger- digs holes big enough for the plants
 - b. Soil caretaker- adds the correct amount of soil amendments
 - c. Planter- plant the plant appropriately
 - d. Mulch- lays a good amount of mulch down around the plant
 - e. Water- waters the plant for an accurate amount of time in a gently way to the plant
 - f. Recorder- records the plant height and location of plant in the kīpuka
 - g. Document- takes pics/videos and interviews students about the process

Activity 4: Mahalo (10 mins)

1. Have students take a moment to observe how the site looks now and take mental pic!
2. Give a final oli and blessing to the site.

Activity 5: Reflection (Homework)

1. Have students do a journal reflection with the prompt “What has planting a kīpuka at my school taught me? What is my wish for the kīpuka?”

Evidence of Success:

By the end of the lesson students will be able to:

- Plants are in the ground
- Students successfully completed their assigned jobs.

Notes and Nuances:

N/A

Resources:

- Shovels
- Watering cans
- Māmaki
- ‘Ōhi’a
- Kupukupu
- Watering cans or hose
- Soil amendments
- Camera
- Graph paper
- Pencil
- Measuring tape
- Garden gloves

Homework:

Reflection Question “What have I learned from planting a kīpuka? What is my wish for the kīpuka at our school?”