

Lesson 2: Life Cycle of a Mosquito

Objectives:

Students learn about life cycle of a mosquito and make connections with what they know about mosquitos.

Essential Questions:

Where do mosquitos come from? When do we first see mosquitos?

Alaska Native Values:

See connections-All things are related.

Learn by doing, observing and listening

Standards:

L1. Knows words and pictures carry message.
 SSC 3. Describes changes in, makes predictions about, & describes relationships between living & non-living objects & natural events.
 PSH8: Shows coordination in balance and

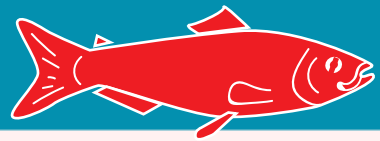


Promoting Culture Self Assessment:

- I reflect the cultures and ethnic backgrounds of children and families served in my early childhood program or setting.
- I select props for the dramatic play/housekeeping area that are culturally diverse including those that reflect Alaska Native culture (e.g. dolls, clothing, cooking utensils, household articles, furniture).

Whole Group	Reading/Science/Math	Reading/Writing
<p>Materials:</p> <p>Fish tank with collected swamp water sample</p> <p>Coloring Sheets (laminated)</p>	<p>Materials:</p> <p>Coloring pages of mosquito life cycle.</p>	<p>Materials:</p> <p>Large paper</p> <p>Photos of class trip</p> <p>Marker</p>
<p>See activity below</p>	<p>Activity:</p> <p>Color pages-students can color and tell what each picture is in a full sentence. Students then sequence the coloring pages in order.</p> <p>What happens first in the mosquitos life cycle? Write #1. What happens next? Write #2 and so on..</p> <p>Have them share their book.</p>	<p>Activity:</p> <p>Make a class book about your class trip where you collected water samples.</p> <p>On each page print out a picture of your experience.</p> <p>Have students help to tell you what to write for each page.</p> <p>Number the pages and create a title page where students are the authors.</p> <p>Read book throughout the week.</p>

Activity



Engage: Whole Group Activity: Acting out the life cycle of a mosquito

Show student video of mosquito life cycle. Explain, “Mosquitos all begin as an egg layed by the mom or female mosquito. She lays a whole bunch of eggs that are stuck together called a ‘raft’. Once these eggs hatch they become what we call mosquito larva. The larva hang upside down in the water. You can see them bouncing up and down in the water. The mosquito larve don’t look exactly like a mosquito but they are shaped similar.. Then they change to a pupa stage where they sit and rest just below the surface of the water. From the pupa stage they shed their skin several times until float to the surface and shed their skin one final time to show their wings and fly away as a mosquito.”

Watch video: <https://www.youtube.com/watch?v=mroLFTPhL90>

Explore: Touch, Agturu, Agtur, Vandanilchit

Activity : Use coloring pages to hold up as you tell students what stage they are going to act out.

Hold up the mosquito coloring page. “Mosquitos! Its time to go and lay your eggs in the water!” Students act out being mosquitos that fly out onto the water.

Now hold up the egg coloring page. “Now you are eggs and your going to sleep in the water for 1-2 days” Eggs lay and pretend to sleep in the water.

Hold up the larva. “Ok eggs now your hatching. You have a little tooth to help you break out of your egg. Use your tooth to break out of your egg” (Students pretend to break out of their eggs). Now your a larva and you swim upside down to the surface of the water. Once and awhile your going to wiggle down (bend down to your feet) then pop back up.”

Hold up the pupa stage. “Now your growing and turning into the pupa stage of a mosquito. Your going to curl up and rest right underneath the surface of the water. Rest. Close your eyes. Now you’ll shed your skin and grow a little bigger. Rest. Shed your skin again and get a little bigger. Rest some more. Shed your skin and now your going to crawl out very slowly. Notice now you have wings!” Hold up the mosquito coloring page. “Your a mosquito! Dry your wings off into the sunshine and fly away!” If your a boy mosquito you turn back into a human and stand still. If your a girl mosquito you fly over to the human and you pretend to suck their blood. After you get blood you can then fly off and lay eggs! And that’s how the cycle continues.”

Explain: Talking, Niugtuk, Qalarte, Qenax

Explain: “Mosquitos are like all other insects and animals in that they have a life cycle. A life cycle shows the different stages a species goes through from birth until they die.”

Evaluation

Emerging:	Developing:	Proficient:	Advanced:
Student does not participate in the acting out of the stages of the mosquito life cycle.	Student watched video but cannot demonstrate any of the stages of the mosquito life cycle	Student watched video and can tell about the different stages of the mosquitos life cycle.	Student knows the different stages of the mosquito life cycle and can identify a stage that a mosquito is in by looking in the swamp water collected.