

Lesson 3: Catching a Halibut

Objectives:

Students use halibut they have created to 'catch the halibut'. They then measure and weigh each halibut.

Essential Questions:

What is a halibut? Where do we catch halibut? What do halibut eat?

Alaska Native Values:

See connections-All things are related.
Have patience- Some things cannot be rushed.
Honor traditional arts, skills and ingenuity.

Standards:

M3. Describes and compares measurable attributes.
M4. Counts orally, counts objects, and names numerals.
M6. Sorts and groups objects.
M7. Understands ordinal numbers and begins to

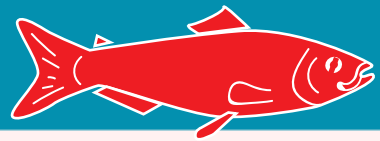


Promoting Culture Self Assessment:

- 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	Math	Math/Kitchen
<p>Materials:</p> <p>Magnetic fishing pole (Pike fishing kit)</p> <p>Scale (Steam-bath kit)</p> <p>Yard stick (NYO kit)</p> <p>Chart with weight and height columns.</p> <p>Place paper clips around each halibut for magnetizing various sizes of halibut students have made</p>	<p>Materials:</p> <p>Various halibut students have made</p>	<p>Materials:</p> <p>Halibut cut in chunks</p> <p>Pot with water</p> <p>Berries</p> <p>Crisco</p> <p>Sugar</p> <p>Bowl</p> <p>Spoon</p>
<p>Set Up:</p> <p>Lay halibut (face side out) behind an upright table or on the floor.</p> <p>Position students where they can 'fish' but cannot see halibut they are catching.</p>	<p>Activity:</p> <p>Ask students to sort and organize their halibut in a row from smallest halibut to largest.</p> <p>Allow them to figure out how to compare halibut by asking questions, "How do we know this halibut is longer? What if they are really close? Should we measure from the tails or the mouth?"</p> <p>Count aloud how many fish?</p>	<p>Activity:</p> <p>Make halibut Akutuk. Boil halibut until white and flaky (3-5 min). Allow to cool. Give students a chance to squeeze halibut to get all of the moisture out.</p> <p>Make Akutuk by whipping up Crisco in separate bowl. Add sugar to taste. Mix in halibut and berries.</p>

Activity



Engage: Whole Group Activity: Fishing for Halibut

Set up 'boat' (wooden boat or allow students to sit on table). Establish rules before playing to help with the learning process. *"Imagine we are on a real boat. Let's first put on our life jackets (pretend to put on life jackets). Now in the boat we don't stand up or run around right? And we defiantly do not push each other because no one wants to get knocked into the water. Our fishing pole is a tool that we don't want to loose either. Lets remember how we use it. Remember when we have it out we have to make sure we don't swing all around because we don't want to 'hook' anyone, just the fish we are trying to catch! Our boat is only big enough for 2-3 people in it and we've got to take turns with the pole. We can set a timer to allow everyone a chance to catch fish. (3 min for each student to fish)."*

While 1 student is fishing another student can be the person who puts the fish onto the scale to weigh it. Another student can use the yard stick to measure the fish caught. Once timer goes off, students can rotate so another student is fishing, weighing and measuring fish.

Explore: Touch, Agturu, Agtur, Vandaniilchit

Activity :

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Have a chart to write down numbers of halibut. If students can copy numbers allow them to do that on the chart.

Explain: Talking, Niugtuk, Qalarte, Qenax

Explain: *"When halibut fishermen/women come to the shore to sell their halibut they weigh the halibut and then they have to measure the halibut too to see how long they are. If halibut are too small, they cannot sell them. Its better to leave the small halibut out in the ocean so they can reproduce and make more halibut."*

Evaluation

Emerging: Students did not participate.	Developing: Student 'fishes' but does not participate in all of the activities.	Proficient: Student can fishes and weighs and measures halibut.	Advanced: Student can fish, measure and weigh halibut and can use the chart to write down measurements (with help).
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