A series of elementary level thematic units featuring Tlingit language, culture and history were developed in Juneau, Alaska in 2004-6. The project was funded by two grants from the U.S. Department of Education, awarded to the Sealaska Heritage Institute (Boosting Academic Achievement: Tlingit Language Immersion Program, grant #92-00818444) and the Juneau School District (Building on Excellence, grant #S356AD30001).

Lessons and units were written by a team of teachers and specialists led by Nancy Douglas, Elementary Cultural Curriculum Coordinator, Juneau School District. The team included Juneau teachers Kitty Eddy, Shgen George, Kathy Nelson, Hans Chester and Rocky Eddy, and SHI language team members Linda Belarde, Yanow Vaara, David Katzeek, John Marks, Mary Foletti, Rose Natkong and Jessica Chester. Curriculum consultants Julie Folta and Toni Mallott assisted and Annie Calkins edited the lessons and units.

Lessons were field tested in Juneau classrooms in 2005-6.

All units are available online at sealaskaheritage.org.
Old Woman of the Tides Stick Puppets

Directions
1. Cut pictures on dotted lines.
2. Tape or glue popsicle sticks to the back of each picture.
3. Use stick puppets to retell legend.

Yélil
Raven

Ch’áak’
Eagle
Shaawát
Woman

Tóos'
Shark

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Old Woman of the Tides

Illustrated by

Date

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Raven is hungry. He looks for food. He finds Shark. Shark swims. He has a stick in his mouth.
Raven takes the stick from Shark. He puts it on the bottom of the sea. He climbs down to find sea urchins. Raven likes sea urchins.
Raven picks many sea urchins for a party.
Raven goes up. He jumps on the beach. He eats the sea urchins. He uses a rock to open them.
Raven listens. “How did you get the sea urchins Raven? What was the tide?” No one is there. There is a big rock. It has a crack in it.
Raven eats more sea urchins. He sees Eagle in the sky. “Eagle, want to eat with me?”
Raven and Eagle eat. They listen. The Old Woman of the Tides talks. She can make the tides low or high.

Page 7
Raven and Eagle make a plan to get the Old Woman raise and lower the tide. When they hear the voice again, they put the plan into action. Eagle flies to the edge of the ocean to watch the tide and Raven cracks open the rock and finds the Old Woman of the Tides.
Raven tells the Old Woman to make tides the same. “No” she tells him. Raven puts a sea urchin shell on her bottom – so she will make the tide go down.
Now the tides go up and down at the same time. Raven is happy.
<table>
<thead>
<tr>
<th>Inter-tidal Zone</th>
<th>Animal</th>
<th>Tlingit Name</th>
<th>Phylum</th>
<th>Traditional Uses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Splash Zone</td>
<td>Snail (Periwinkle)</td>
<td><em>Ts’íxʷ</em></td>
<td>Mollusk</td>
<td>Edible. Eaten like squid and octopus.</td>
</tr>
<tr>
<td>Upper Intertidal Zone</td>
<td>Barnacle</td>
<td><em>S’ook</em></td>
<td>Crustacean</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>Hermit Crab</td>
<td><em>Noow S’áawk’w</em></td>
<td>Mollusk</td>
<td>Edible. Used for survival purposes.</td>
</tr>
<tr>
<td></td>
<td>Snail (Periwinkle)</td>
<td><em>Ts’íxʷ</em></td>
<td>Mollusk</td>
<td>Edible. Can be eaten raw. Boil quickly, remove meat from shell.</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th></th>
<th>Limpets (some)</th>
<th><strong>Yéíl Ts’áaxu</strong></th>
<th>Mollusk</th>
<th>Edible. Can be eaten raw.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tidepool sculpin</td>
<td></td>
<td><strong>Weix’</strong></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td><strong>Mid Inter-tidal Zone</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mussels</td>
<td></td>
<td><strong>Yaak</strong></td>
<td>Mollusk</td>
<td>Eatable. Gathered, steamed and eaten. Orange meat considered a delicacy. May be affected by paralytic shellfish poisoning.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Yéíl Ts’áaxu</strong></td>
<td>Mollusk</td>
<td>Edible. Can be eaten raw.</td>
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<table>
<thead>
<tr>
<th>Sea anemones</th>
<th><em>Tayataayí</em></th>
<th>Cnidaria</th>
<th>None</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sea urchins</td>
<td><em>Nées’</em></td>
<td>Echinoderm</td>
<td>Edible. Can be eaten raw, boiled whole or roasted over a fire. The orange eggs are a delicacy.</td>
</tr>
<tr>
<td>Sea cucumbers</td>
<td><em>Yein</em></td>
<td>Echinoderm</td>
<td>Edible. Cut lengthwise, peel white muscles out - eat raw, sauté or add to chowder.</td>
</tr>
<tr>
<td>Hermit Crabs</td>
<td><em>Noow S’áawk’w</em></td>
<td>Mollusk</td>
<td>None</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Low Inter-tidal Zone</th>
<th>Sea stars</th>
<th>S’áx</th>
<th>Echinoderm</th>
<th>Ground up and mixed with fish remains and seaweed and used to fertilize gardens.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sea urchins</td>
<td>Néés’</td>
<td>Echinoderm</td>
<td>Edible. Can be eaten raw, boiled whole or roasted over a fire. The orange eggs are a delicacy.</td>
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<td>Mollusk</td>
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<thead>
<tr>
<th>Image</th>
<th>Name</th>
<th>Tlingit Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Gumboot" /></td>
<td>Gumboots-Chiton</td>
<td>Shaaw</td>
<td>Mollusk</td>
<td>Edible. Removed from rocks with a knife. Tenderized by pounding on prior to cooking. Can be pickled and jarred.</td>
</tr>
<tr>
<td><img src="image2.png" alt="Clam" /></td>
<td>Clams</td>
<td>Gáal'</td>
<td>Mollusk</td>
<td>Edible. Gathered at minus tide. Smoked in smoke house. Sautéed, jarred and/or added to chowder. May be affected by paralytic shellfish poisoning.</td>
</tr>
<tr>
<td><img src="image3.png" alt="Cockle" /></td>
<td>Cockle</td>
<td>Yalooleit</td>
<td>Mollusk</td>
<td>Edible. Gathered at minus tide. Smoked in smoke house. Sautéed, jarred and/or added to chowder. May be affected by paralytic shellfish poisoning.</td>
</tr>
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Beach Creature Cards

S’ook
Barnacle

Noow s’áawk’w
Hermit Crab

Ts’ix’w
Periwinkle/Snail

Yéil ts’áaxu
Limpet

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Yaak
Mussel

Yéil ts’áaxu
Limpet

Yéin
Sea cucumber

S’áx
Sea star

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Léin Wooch T'agakóot
Beach Zones

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Beach Creatures

Cut and glue creature to the appropriate zone on the inter-tidal beach zone page.

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Beach Creature Name Match

Draw a line from the beach creature to its name.

<table>
<thead>
<tr>
<th>Image</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.jpg" alt="Image" /></td>
<td>wéix’</td>
</tr>
<tr>
<td><img src="image2.jpg" alt="Image" /></td>
<td>noow s’áawk’w</td>
</tr>
<tr>
<td><img src="image3.jpg" alt="Image" /></td>
<td>shaaw</td>
</tr>
<tr>
<td><img src="image4.jpg" alt="Image" /></td>
<td>s’ook</td>
</tr>
<tr>
<td><img src="image5.jpg" alt="Image" /></td>
<td>s’áx</td>
</tr>
</tbody>
</table>

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**Éek – Beach Unit**  
**Lesson 3 – Extension Activity**

<table>
<thead>
<tr>
<th>Beach Creature Name Match</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Draw a line from the beach creature to its name.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Photo</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="mussel.jpg" alt="Mussel" /></td>
<td>nées’</td>
</tr>
<tr>
<td><img src="rock.jpg" alt="Rock" /></td>
<td>yéil ts’áaxu</td>
</tr>
<tr>
<td><img src="seaweed.jpg" alt="Seaweed" /></td>
<td>tayataayí</td>
</tr>
<tr>
<td><img src="clam.jpg" alt="Clam" /></td>
<td>gáal’</td>
</tr>
<tr>
<td><img src="crab.jpg" alt="Crab" /></td>
<td>yaak</td>
</tr>
</tbody>
</table>

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Beach Creature Name Match

Draw a line from the beach creature to its name.

- sea star
- tidepool sculpin
- barnacles
- hermit crab
- gumboot
Beach Creature Name Match

Draw a line from the beach creature to its name.

- clams
- limpets
- mussels
- sea anemone
- sea urchins
Sedaska Heritage Institute
Tlingit Language Immersion Program: Boosting Academic Achievement,
2005
One Sealaska Plaza, Suite 301
Juneau, AK 99801
907.463.4844
http://www.sealaskaheritage.org

www.realebooks.com

Neechdéei Xwaagoot

S’ook xwasiteen.

Ts’ésx’w xwasiteen.
Shaaw xwasiteen.

Nées’ xwasiteen.

Yaak xwasiteen.
Neechdéei Xwaagoot

Noow s’aawk’w xwasiteen.

Yéil ts’áaxu xwasiteen.
S’áx xwasiteen.

Tayataayí xwasiteen.

Weix’ xwasiteen.
I Went to the Beach

I saw barnacles.

I saw snails.
I saw gumboots.

I saw sea urchins.

I saw mussels.
I saw hermit crabs.

I saw limpets.
I saw sea stars.

I saw sea anemones.

I saw tidepool sculpins.
Univalves and Bivalves

Photos from http://www.sxc.hu/
Directions
1. Draw a home for hermit crab.
Five Little Sea Shells

Five little seashells lying on the shore,

Swish! went the waves, and then there were four.

Four little seashell cozy as could be!

Swish! went the waves, and then there were three.

Three little seashells all pearly new;

Swish! went the waves, and then there were two.

Two little seashells sleeping in the sun;

Swish! went the waves, and then there was one.

One little seashell left all alone
Whispered “Shhhh” as I took it home.
Éek – Beach Unit
Lesson 8 – Activity #2

Sea Star Pattern

http://etc.usf.edu/clipart/
Éek - Beach
BINGO

<table>
<thead>
<tr>
<th>B</th>
<th>I</th>
<th>N</th>
<th>G</th>
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<tr>
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**FREE**
### Éek - Beach BINGO

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[] S’ook tlél xwasateen.

[] Ts’ésx’w xwasiteen.

[] Ts’ésx’w tlél xwasateen.
[] Shaaw xwasiteen.

[] Shaaw tlél xwasateen.

[] Nées’ xwasiteen.

[] Nées’ tlél xwasateen.

[] Yaak xwasiteen.

[] Yaak tlél xwasateen.
[] Noow s’aawk’w xwasiteen.

[] Noow tlél xwasateen.

[] Yéil ts’áaxu xwasiteen.

[] Yéil ts’áaxu tlél xwasateen.
[] S’áx xwasiteen.

[] S’áx tlél xwasateen.

[] Tayataayí xwasiteen.

[] Tayataayí tlél xwasateen.

[] Weix’ xwasiteen.

[] Weix’ tlél xwasateen.
Éek – Beach Unit
Lesson 10 – Activity #2

Sea Week
Learning Log

Name ________________________________

Date ________________________________
HARVEST TIME AT THE BEACH
Collecting Alaskan Native Foods Between The Tides

MOLLUSKS
4. Cockle 5. Keyhole Limpet
9. Whelk

ECHINODERMS
10. Sea Cucumber
11. Urchin

CRUSTACEANS
12. Dungeness Crab
13. King Crab

ALGAE:
14. Sea Weed
S’ook
Barnacle
Sea Week Word Search

Find the hidden words.

S R E B M U C U C A E S F G U
U F I V A Z F A C Z H L L Q V
P U D B R S G V P H N F U N Y
O H M H R K O P T E H L Y U C
T J A M B W M O U Z W E H A X
C L L D B A O S Z N J S T S C
O H C T T B R H B U I S Y U U
Q S K E M I B C U C E U F U B
R T N U L O E B T R V M T E P
N H G D D K A P G I C K L D V
R J F A I B C B R Q M H J I J
W H E L K Z H O P N G R I T X
Z L I M P E T J C A U W E N F
T U S E A S T A R G O C L H U
F K J H A N E G O L L F I I G

☐ Beach ☐ Limpet ☐ Tide
☐ Clam ☐ Mussel ☐ Urchin
☐ Cockle ☐ Octopus ☐ Whelk
☐ Gumboot ☐ Sea cucumber
☐ Hermit crab ☐ Sea star

Beach
Clam
Cockle
Gumboot
Hermit crab

Limpet
Mussel
Octopus
Sea cucumber
Sea star

Tide
Urchin
Whelk

Sea
Sea star
Echinoderm

Cut and paste words in the correct boxes.

Sea stars can be

Some of them eat

Sea stars use   to move.

Sea stars live at the

beach  big  clams  tube feet


Echinoderm

Circle the correct work and write it on the line.

Sea urchins are ______________________________

animals   plants

Sea urchins have ______________________________

spots   spines

Sea urchins have feet.

tall   tube

Sea urchins live ______________________________ the sea floor.

on   in
Tayataayí
Sea Anemone
1. Draw a line to the **column**.

2. Draw a line to the **mouth**.

3. Draw a line to the **tentacles**.
Gáal’, Yalooleit, Yaak ka Xwéinaa
Clams, cockles, mussels and scallops
Bivalves
Clams, cockles, mussels and scallops are bivalves. They have two parts to their shells.

Circle all of the bivalves.
Let’s Count Mollusks

Draw a line to the correct number of mollusks

5

2

1

4

3
Yéil ts’áaxu, Shaaw Ḵa Ts’ésx̱w
Limpets, Chitons, and Snails
Unscramble the words. Write them in the space provided.

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Náakw
Octopus
Noow S’áawk’w
Hermit Crab
A Walk on the Beach
and
What Do You See?

Name__________________________
Ax saayí

Date____________________________
Yáa yagiyee

Juneau School District – It’s a Keeper Book Series
I see a red hermit crab looking at me.

Red hermit crab,
Red hermit crab,
What do you see?
I see a blue mussel looking at me.

Blue mussel,
Blue mussel,
What do you see?
I see a white barnacle looking at me.

White barnacle,
White barnacle,
What do you see?
I see a pink shell looking at me.

Pink shell,
Pink shell,
What do you see?
I see a gray rock looking at me.

Gray rock,
Gray rock,
What do you see?
I see a black limpet sitting on me.
Lesson 1

Vocabulary
1. beach  
2. story  
3. characters  
4. tide  
5. old woman  
6. raven  
7. shark  
8. eagle  
9. sea urchin  
10. stick  
11. knife  
12. rock  
13. beginning  
14. middle  
15. end

Phrases
16. Listen to a story.  
17. Thank you for the story.  
18. Draw a (raven).  
19. Put them in order.  
20. Cut out an (eagle).  
21. Glue the (shark) to the stick.  
22. Retell the story.  
23. What happened first?  
24. What happened in the middle?  
25. What happened next?  
26. What happened at the end?  
27. The tide comes in.  
28. The tide goes out.

Lesson 2

Vocabulary
29. beach  
30. tide  
31. wave  
32. sand  
33. rock  
34. plants  
35. tide marks  
36. tide pool
37. beach creature  
38. beach zone  
39. splash zone  
40. upper inter-tidal zone  
41. mid inter-tidal zone  
42. lower inter-tidal zone  
43. snail  
44. barnacle  
45. hermit crab  
46. sea anemone  
47. sea urchin  
48. sea star  
49. gumboot/chiton  
50. cockle  
51. limpet  
52. mussel  
53. clam  
54. sculpin  
55. splash zone  
56. barnacle  
57. snail  
58. upper inter-tidal zone  
59. mid inter-tidal zone  
60. lower inter-tidal zone  
61. splash zone  
62. barnacle  
63. snail  
64. upper inter-tidal zone  
65. mid inter-tidal zone  
66. lower inter-tidal zone  

Phrases

55. What’s on the beach?  
56. What lives on the beach?  
57. Listen for beach creature names.  
58. What did you hear?  
59. Which beach zone is this?  
60. What lives in a (tide pool)?  
61. Where do (sea urchins) live?  
62. (Sea Urchins) live here.  
63. Touch it.  
64. Look at it.  
65. Match them/Look for a match.  
66. Put it in the right place.  
67. Put it on (the splash zone).  

Lesson 3

Vocabulary

58. splash zone  
59. barnacle  
60. snail (periwinkle)  
61. tide  
62. rock  
63. gray  
64. brown  
65. black  

Phrases

76. What lives in the splash zone?
77. Snails live in the splash zone. (Ts’ix’w) teet x’atút aa yei teex’.
78. Watch for (snails). (ts’ix’w) gaa kunaytées’.
79. What did you see? Daa s’dysiteen?
80. I saw (snails). (ts’ix’w) xwasiteen.
81. Tear the edge off the paper. X’úx’ a shutú ax’ nays’éil’.
82. Glue the tide on the paper. X’úx’ kat kalas’ix’w wé kées’ yahaayí.
83. Tear out rock shapes. Té yahaayí dát nays’ éil’.
84. Glue the rock onto the splash zone. Teet x’atút kalas’ix’w wé té yahaayí.
85. Glue snails to the rock. Té yahaayí kat kalas’ix’w wé ts’ix’w.
86. Is it in the right place? Áyá aax ákwé?
87. Match them/Look for a match. A xooni gaa kuyṣhee.

Lesson 4

Vocabulary

88. upper inter-tidal zone léin tlein
89. barnacle s’ook
90. hermit crab noow s’áawk’w
91. snail ts’ix’w
92. limpet yéil ts’áaxu
93. white dleit yáx yatee
94. black t’ooch’ yáx yatee
95. game cards alká x’úx’u

Phrases

96. What lives in the upper inter-tidal zone? Daa sá léin tlein aa yei teex’?
97. Barnacles live in the upper inter-tidal zone. (S’ook) léin tlein aa yei teex’.
98. I see (barnacles). (S’ook) xaatéseeyí.
99. I see a beach creature that lives in a white shell. Dleit yáx noox’ atoo yéi yateeyí eek ádi xaateen.
100. I see a creature that looks like a hat. S’aaxw yáx yateeyí eek ádi xaateen.
101. I see a beach creature that ravens like to eat. Yéil du x’Éi yak’ei yi eek ádi xaateen.
102. I see a beach creature that lives in a brown shell. S’agwaat yáx noox’ atoo yéi yateeyí eek ádi xaateen.
103. Stand up if you have a (barnacle). Gidaan (s’ook) i jeeyéiteeyí.
104. Turn around if you have a (barnacle). Yoo ayax hán (s’ook) i jeeyéiteeyí.
105. Trade cards Woosh daséix’un wool.át wé alká x’úx’u.
106. Let’s play a game. Alká ash kanaxtool yát.
108. Do you have a (barnacle)? (S’ook) gé i jeewú?
109. I have a pair. Woosh yáayi ax jeewú.
110. Concentration A kat isanátí.
111. I remember. A kat xat sayatí.
112. Do you remember? A kat agé i sayatí?
114. Turn the card over. Yoo ayáx tì wé alkáa x’úx’u.
115. It’s a match. A xooní áwé.
117. Cut along the lines. A kaax’ yaa nalxaash.
118. Sort the pages into the right order. X’úx’ ayáx yaa koøjél.
119. Fold the pages in half. X’úx’ a shuwwu aax’ kaylak’wat.
120. Staple the pages together. Wooshk̲ adultáax’ wé x’úx’.
121. Read your book. Yee x’úx’u naytoow.

Lesson 5

Vocabulary

122. upper inter-tidal zone léin tlein
123. hermit crab noow s’dawk’w
124. barnacle s’ook
125. snail ts’ix’w
126. limpet yéil ts’áaxu
127. abalone guńx̣aa
128. mussel yaak
129. sand l’èiw
130. buttons yooka.ót’'
131. regalia at.óow
132. red x’áan yáx yatee
133. blue x’éishx’w yáx yatee
134. shell noox’
135. univalve tléix’ nóox’
136. bivalve deix nóox’
137. spiral toolch’án oowayaa
138. one tléix’
139. two deix
140. operculum taax’xi

Phrases

141. What lives in the upper inter-tidal zone? Daa sá léin tlein aa yei teex’?
142. (Hermit crabs) live in the upper inter-tidal zone. (Noow s’dawk’w) léin tlein aa yei teex’.
143. Pick up the (hermit crab). Aax gati wé (noow s’dawk’w).
144. Pass the (shell) to him/her. Du jeet tí wé (noox’).
145. Are they the same? Ch’oo shóogu yáx gé yatee?
146. Are they different? Woosh guwanyaa-de yáx gé yatee?
147. Sort the shells. Yaa yeeyq̲ích wé nóox’.
149. A small one. A k’watsk’u aa.
150. The hermit crab needs a home. Néil eeteenáx yatee wé (noow s’aawk’w).
152. Cut out the hermit crab. Kei xaash wé noow s’dawk’w.
153. Put the hermit crab on the beach mural. Éék x’ één kat kaylas’íx’w wé (noow s’áawk’w).

154. A (snail) has one shell. (Ts’íx’w) tléix’ nóox’ a daawú.

155. A (clam) has two shells. (Gáal’) déix nóox’ a daawú.

156. A hermit crab borrows a shell. Noow s’áawk’w noox’ aawahées’.

157. Abalone buttons are shiny. Kadli.itch’ wé gúnxaa yooka.óot’.

158. We decorate regalia with abalone buttons. Haa at.óowu kaa yei too.oox’ wé gúnxaa yooka.óot’.

**Lesson 6**

**Vocabulary**

159. mid inter-tidal zone héen kwéiyi
160. sea anemone tayataayí
161. mussel yaak
162. limpet yéil ts’áaxu
163. tide pool léin héeni
164. sea urchin nées’
165. sea cucumber yéin
166. hermit crab noow s’dáwwk’w
167. rock té
168. tentacles tl’eeegí
169. body/trunk daa
170. mouth x’éi
171. green s’óow yáx yatee
172. red x’áan yáx yatee
173. purple kanat’á kahéeni yáx yatee

**Phrases**

174. What animal lives in the mid inter-tidal zone? Daa sá héen kwéiyi aa yei teex’?
175. (Sea anemones) live in the mid inter-tidal zone. (Tayataayí) héen kwéiyi aa yei teex’.

176. Sea anemone tentacles sting. Tayataayí tl’eeegí kaasix’dák.
177. Sea anemones have no shell. Tayataayí tléil nóox’ a daa.
178. Let’s make a sea anemone. Tayataayí yáx yei naxtsúnanéi.
179. Cut it in half. A shoowú kii xaaash.
180. Stuff it with paper. A too yei na.oo wé x’úx’.
181. Glue paper around it. A daat kalas’íx’w wé x’úx’.
182. Insert the tentacles. wé tl’eeegí atoodéi latsoo.
183. Cut out a rock. Kei xaaash wé té.
184. Glue the anemone to the rock. Té kat kalas’íx’w wé tayataayí.
185. What part of the anemone is this? Daakw aa tayataayí daa.ádi sáyá?
186. Put your anemone on the beach mural. Éék x’één kat kaylas’íx’w i tayataayí.

**Lesson 7**

**Vocabulary**
187. mid inter-tidal zone  héén kwéiyi
188. sea urchin  nées'
189. spines  nées' k'áts'i
190. mussel  yaak
191. limpet  yéil ts'áaxu
192. tide pool  léin héeni
193. sea anemone  tayataayí
194. sea cucumber  yéín
195. hermit crab  noow s'aawk'w
196. rock  té
197. shell  noox'
198. pair  woosh yáayi
199. five sided  keijín yatee yeix' daawdzháht
200. red  x'áan yáxyatee
201. green  s'oow yáx yatee
202. purple  kanat'á kahéeni yóx yatee

Phrases
203. What lives in the mid inter-tidal zone?  Daa sá héén kwéiyi aa yei teex’?
204. (Sea urchins) live in the mid inter-tidal zone.  Háen kwéiyi aa yei teex’ (nées’).
205. Where do sea urchins live?  Goox’ sáwé yei teex’ nées’?
206. A sea urchin has an outer shell.  Nées’ aadá nóox’u du daawú.
207. Let's make a sea urchin.  Nées’ yax yei naxtusanáni.
208. Paint the sea urchin.  A daa raynéegwal’ wé nées’.
209. What color did you paint it?  Wáa sá iwnéegwal’?
210. I painted it red.  X’aan yáx yatee a xwanéegwal’.
211. Insert the urchin’s spines.  Nées’ k’áts’i atoodéi isigóó.
212. Be careful!  Jinkwat’ sheeltín!
213. Sea urchin spines are sharp!  Nées’ k’áts’i lik’áts’ áwé!
214. Let’s put the sea urchin on the beach mural.  Éék x'éen kát katoolas’ix’w wé nées’.

Lesson 8
Vocabulary
215. low inter-tidal zone  léin wán
216. sea star  s’áx
217. sea urchin  nées’
218. sea cucumber  yéín
219. limpet  yéil ts’áaxu
220. gumboots  shaaw
221. clam  gáal’
222. cockle  yalooleit
223. five  keijín
224. its arm  a jini
225. eye  waak
226. sand  l'ëiw
227. pattern  a kaax
228. purple kanat'á kahéeni yáx yáteet
229. green  s'ooow yáx yáteet
230. orange  shéix'w yáx yáteet
231. skin  dook
232. sand paper  x'úx' x'éidaa

Phrases

233. What lives in the low inter-tidal zone?  Daa sáléin wán aa yei teex’?
234. (Sea stars) live in the low inter-tidal zone.  (S’áx) léin wán aa yei teex’.
235. Sea stars have five arms. Keijín a jíni s’áx has du jeewú.
236. Sea stars arms grow back!  S’áx jíni kuxdéi kei kanaéin!
237. Sea stars skin feels like sand paper.  X’úx’ x’éidaa yáx s’áx doogú jee

kdinook.
238. Touch the sea star’s skin.  Wé s’áx dookt shí.
239. What do you feel?  Daa sá jee idinook?
240. It feels rough. Kasix’áx’w yáx jee kdinook.
241. Let’s make a sea star.  S’áx yáx yei naxtusanéi.
242. Trace the sea star pattern.  S’áx kaax aada kayshaxít.
243. Cut out the sea star.  Kei xaash wé s’áx yahaayí.
244. Glue sand on the sea star’s arms.  S’áx jíni kax’ kaylas’ix’w wé l’éiw.
245. Let’s put your sea star on the beach mural.  Éék x’éen kat katools’ix’w i
    s’áxu.
246. Let’s play a game.  Alkáa ash kanaaxtool yát.
247. Mark the center one.  Kayshaxít a dagiygé aa.
248. Mark the one I say.  Kayshaxít xwasaaayí aa.
249. Five in a row.  keijín yáx kaxisat.
250. I win!  Yaxwadlaak!

Lesson 9

Vocabulary

251. low inter-tidal zone  léín wán
252. sea star  s’áx
253. sea urchin  nées’
254. sea cucumber  yéin
255. limpet  yéil ts’áaxu
256. gumboot/chiton  shaaw
257. clam  gáal’
258. cockles  yalooleit
259. respect  at yaa awunéi
260. eight  nas’gadooshú
261. shell  nóox’
262. knife  lítaa
263. cook  kasa.ee
264. eat  at xá
265. black  
266. red  
267. brown  
268. spots  
269. stripes  

t’ooch’ yáx yatee  
x’án yáx yatee  
s’ágwaat yáx yatee  
kadlich’áchx  
daak aligaa’

Phrases

270. What lives in the low inter-tidal zone?  
Daa sa léin wán aa yei teex’?

271. (Gumboots) live in the low inter-tidal zone.  
(Shaaw) léin wán aa yei teex’.  

272. Gumboots have 8 inner shells.  
Nas’gadooshú yatee a tunoox’u wé shaaw.

273. Count the shells.  
Nóox’ naytoow.

274. Wash the sand off the gumboots.  
Shaawdáx na’os’ wé l’éiw.

275. Let’s cook gumboots.  
Shaaw gatoosa.ee.

276. Let’s remove the shells.  
Kaxtoolnóox’ákw.

277. Let’s eat gumboots.  
Shaaw gatooxaa.

278. Always be respectful.  
Ch’a tlákw at yaa ayageenéi.

Lesson 10

Vocabulary

279. beach creature éekádi  
280. sea star s’áx  
281. sea cucumber yéin  
282. cockle yalooleit  
283. hermit crab noow s’áawk’w  
284. ribbon seaweed k’áach’  
285. limpet yéil ts’áaxu  
286. mussel yaak  
287. sea urchin nées’  
288. sea anemone tayataayí  
289. barnacle s’ook  
290. gumboot/chiton shaaw  
291. snail (whelk) ts’ésx’w  
292. clam gáal’  
293. tidepool lein héeni  
294. sculpin weix’  
295. low tide yan uwaláa  
296. high tide yankát uwadáa  
297. book x’úx’

Phrases

298. We are going to the beach.  
Éekdei gaaxtoo.áat.

299. We will be respectful.  
Kaa yáa kei ayagaxtoonéi.

300. Stay together.  
Wooshteen nay.á.

301. Look under rocks.  
Té a t’ayee ax’ anayeelgéin.

302. Put the rocks back in place.  
A eetí kúxædei yan tí wé té.

303. Go look for (beach creatures).  
(Eak.átx’) aqaa kugaxtooshée.
304. Look at this!  
305. What did you find?  
306. What didn’t you find?  
307. I found (a sea star).  
308. I didn’t find (a sculpin).  
309. Gather together.  
310. Count (shells).  
311. The tide is coming in.  
312. The tide is going out.

At eelgéin!  
Daa så kax keeyashee?  
Daa så tlél kax keeyashee?  
(S’áx) kax kuxwaashee.  
(Weix’) tlél kax kuxwaashee.  
Woosh kaanáx goxtuda.aat.  
(Nóox’) naytoow.  
Daak nadéin.  
Yei naléin.