




Kiid

SPRUCE TREES

Grade Levels K-1

Teacher Resources



A series of elementary level thematic units featuring Haida language, culture and history were developed in Ketchikan and Hydaburg, Alaska in 2004-6. The project was funded by the U.S. Department of Education, Haida Language Immersion Program - Boosting Academic Achievement grant #S356A030046, awarded to the Sealaska Heritage Institute.

Lessons and units were written by a team including Jordan Lachler, project director and linguist specializing in documenting and revitalizing Native American languages. Lachler heads up the local field office of the Sealaska Heritage Institute in Ketchikan. Cheryl Holter (T'áaw Kúns) grew up in Hydaburg, raised by her grandparents, Willis and Hazel Bell and has worked with the remaining fluent Haida Elders for years. She taught the Haida language to students since returning to Hydaburg in 1990. Linda Schrack (Skíl Jáadei) grew up in Ketchikan, spending a great deal of time with her grandparents, Robert and Nora Cogo. She worked for many years in the field of early childhood education, and is an accomplished Native artist and traditional Haida dance group leader. Julie Folta, a cultural curriculum specialist with years of experience developing and teaching thematic, child-centered curriculum in rural Alaska also contributed to lessons and Annie Calkins edited final drafts of the units.

All units are available online at sealaskaheritage.org.



Sealaska Heritage Institute

The contents of this curriculum were developed under the Haida Language Immersion: Boosting Academic Achievement (2005) grant from the U.S. Department of Education. However, the contents do not necessarily represent the policy of the Dept. of Education and you should not assume endorsement by the Federal Government

Parts of a Spruce Tree Cards



st'áas k'ámaal
cones



k'áas
pitch



kíid
spruce



kíid hlúu
trunk



hlíing
roots



kíid sk'a'íi
needles



kíid k'uj
bark



tláas
branches

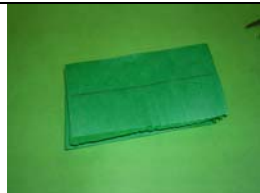
Let's Turn a Friend into a Spruce Tree

You'll need:

- Brown, Dark Green and Light Green Butcher Paper
- Brown or Black Permanent Marker
- Stapler
- Scissors
- Glue
- Knowledge about trees



Branch Head Piece











1. Cut **dark green** butcher paper into 3" x 5" rectangles.
2. Draw a line down the middle of the rectangle.
3. With a scissor make cuts to just before the line.
4. Repeat cutting on the other side





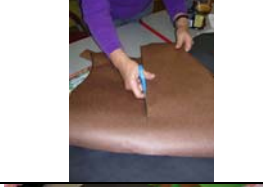

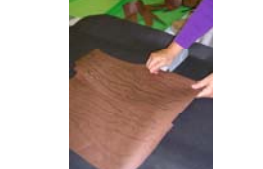


1. Round off the top end of the branch.



1. Cut **light green** butcher paper into 2" x 3" rectangles.
2. Draw a line down the middle of the rectangle.
3. With a scissor cut to just before the line.
4. Repeat cutting on the other side

	<ol style="list-style-type: none"> 1. Glue light green – new grow to the dark green branch. 2. Crinkle cut edges as shown.
	<ol style="list-style-type: none"> 1. Cut 8" x 36" brown butcher paper.
	<ol style="list-style-type: none"> 1. Fold in thirds to form a headband.
	<ol style="list-style-type: none"> 1. Staple headband to fit students head.
	<ol style="list-style-type: none"> 1. Make a support piece across headpiece with the remaining headband piece.
	<ol style="list-style-type: none"> 1. Staple branches onto headband.
<p>Roots</p>	
	<ol style="list-style-type: none"> 1. Cut 8" x 36" brown butcher paper. 2. Fold in thirds. 3. Cut in half to make to ankle pieces.

	<ol style="list-style-type: none"> 1. Cut root shapes with brown butcher paper. 2. Staple onto ankle pieces.
<p>Trunk Tunic</p>	
	<ol style="list-style-type: none"> 1. Draw and cut arm holes.
	<ol style="list-style-type: none"> 1. Cut neck hole.
	<ol style="list-style-type: none"> 1. Cut down the center from the neck to the base.
	<ol style="list-style-type: none"> 1. Use a black marker to draw outer bark.
	<ol style="list-style-type: none"> 1. Staple front and back.

Parts of a Spruce Tree

Name _____ Date _____

Using the Spruce Tree Worksheet ask the student the question, *Tl'áan uu _____ íijang?* Mark the chart appropriately.

		<i>Áang</i> Yes	<i>Ge'é</i> No
<i>kíid</i>	spruce tree		
<i>tláas</i>	branches		
<i>st'áas k'ámaal</i>	cones		
<i>k'áas</i>	pitch		
<i>kíid hlúu</i>	trunk		
<i>hlíing</i>	roots		
<i>kíid sk'a'íi</i>	needles		
Total			



dlagw
Spruce Root Digging Stick



híing
Spruce Root



híing
Spruce Roots



ts'i'it'uu
Scissors



stla hlk'únk'
gloves



gwáahl
bag



Net Picker/Root Digger



ts'áanuu
Fire



Roasting Spruce Root



dánhlaaw
Split stick for peeling bark from roots



Removing Outer Bark



Peeled and unpeeled spruce roots



Split Spruce Root



Splitting a Spruce Root



gándl
Rain Water



kigw
Spruce Root Basket



tlúu
Spruce and Cedar Canoe



Spruce Root Hook



Áal
Spruce wood Paddle
Alaska State Museum Collection – 11-B-1235-1



Spruce Root Basket
Alaska State Museum Collection – 11-B-1766



kigw
Haida Spruce Root Basket
Alaska State Museum Collection – 11-B-1619



Unfinished Spruce Root Basket
Alaska State Museum Collection – 9822-1



kwáay
Spruce rope
Alaska State Museum Collection – 11-B-1456

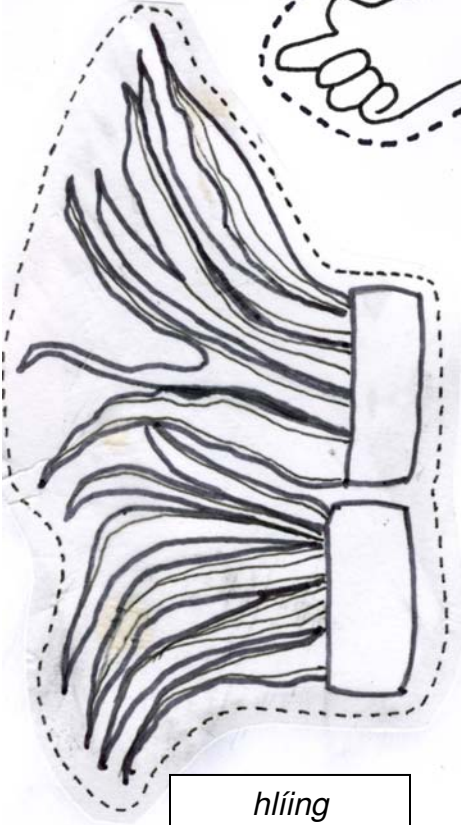
Paper Doll

Kíid – Spruce Unit
Lesson 2 – Activity #2

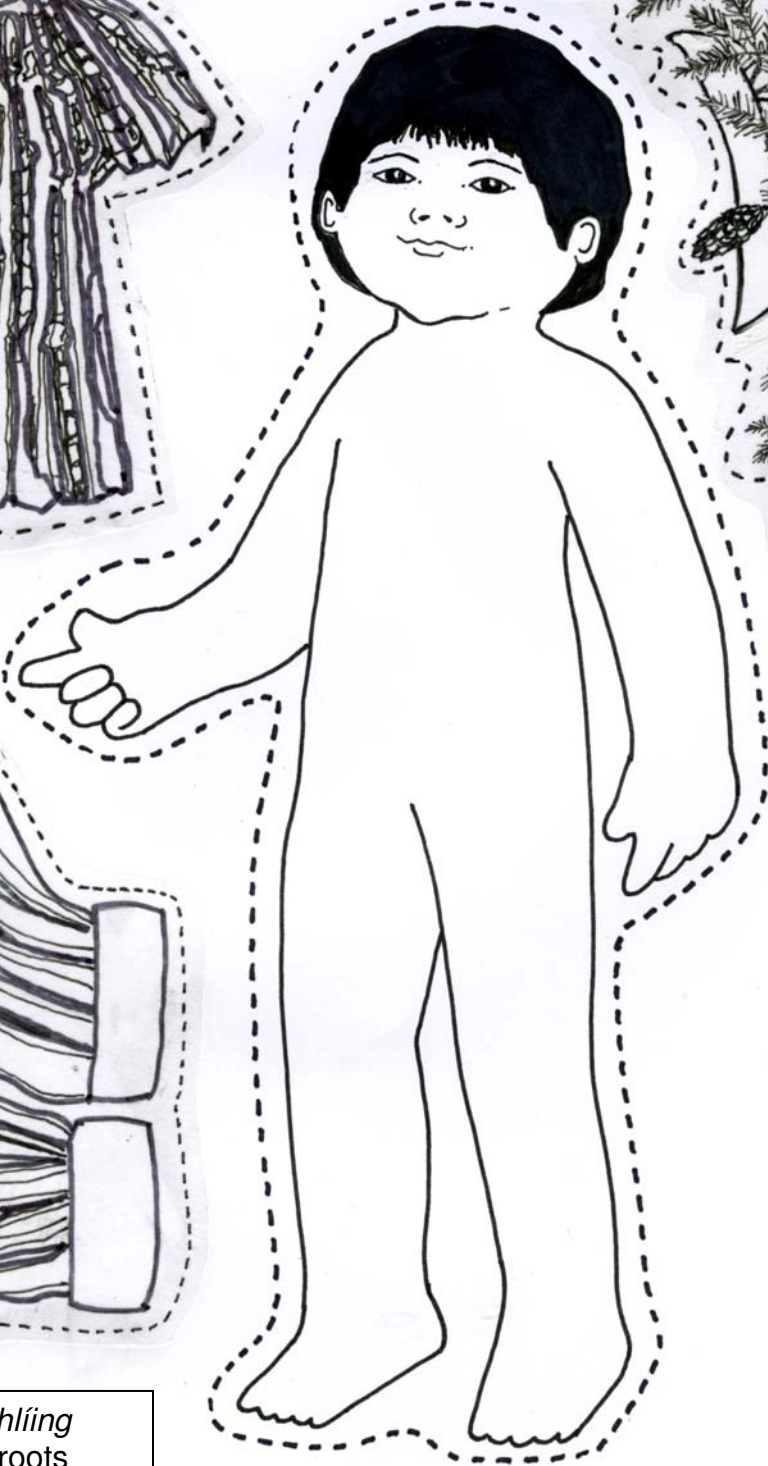
kíid k'uj
bark

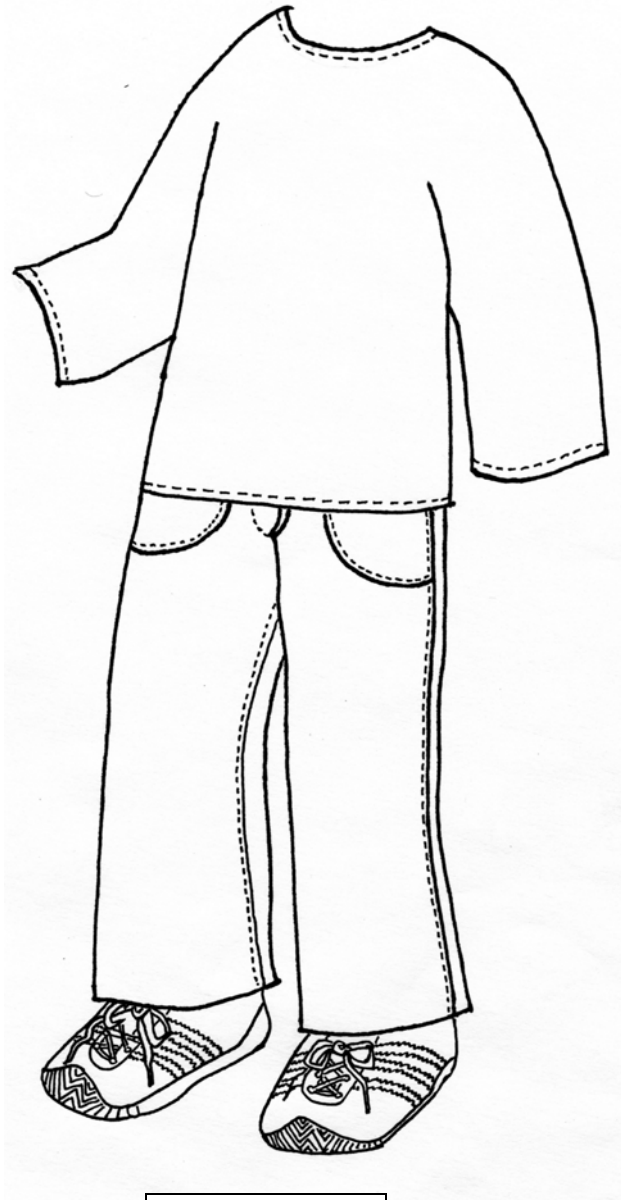


tláas
branches



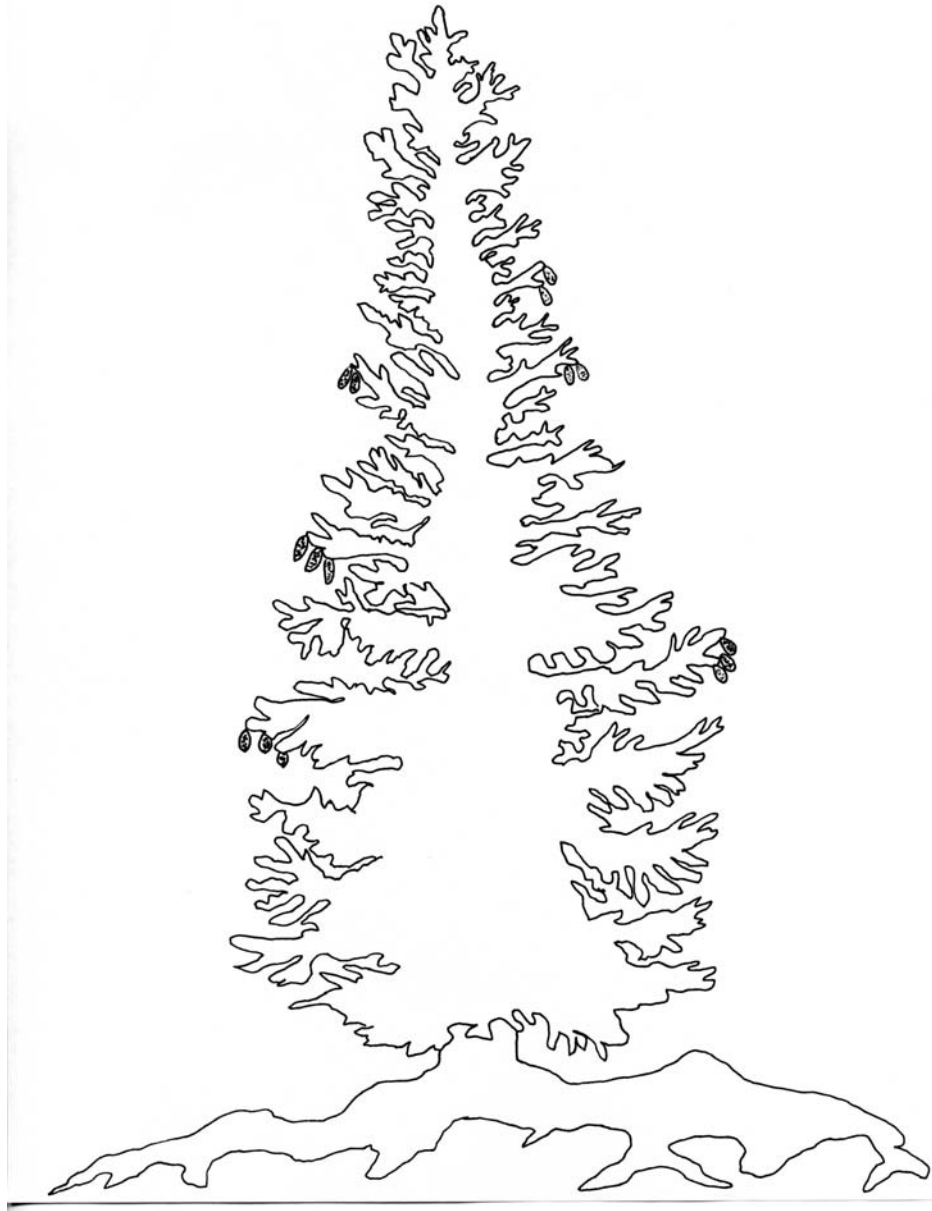
hlíng
roots





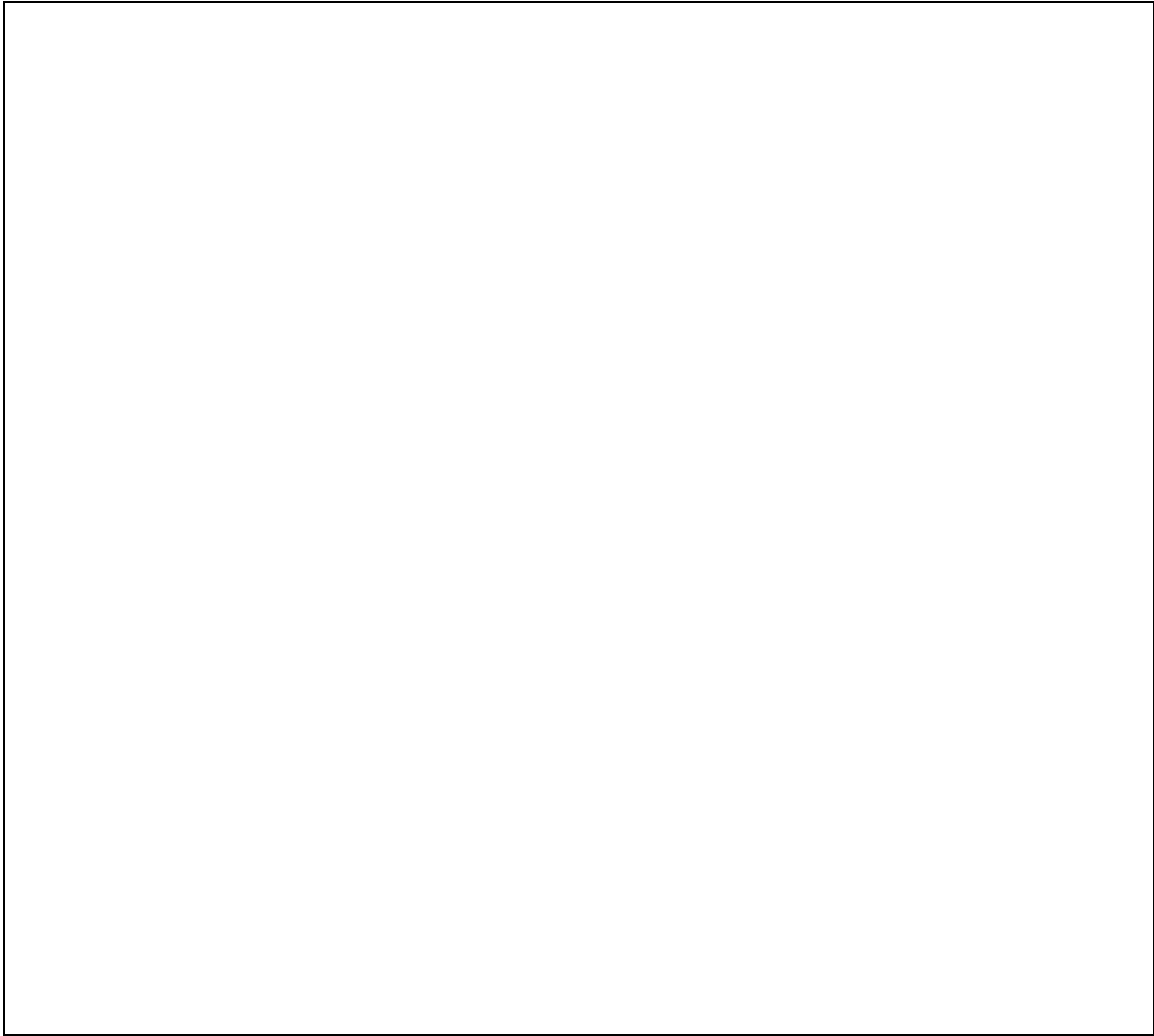
gya'ándaaw
clothes

My Spruce Tree Journal



Name _____

Date _____



Getting to Know a Spruce Tree



Name _____

Date _____

Tools needed to complete this job.


- Clipboard
- Pencil
- Crayons: brown, dark green, light green
- String
- Links, tiles or rulers

Spruce Trees Around Our School

Work cooperatively with your partner to complete this job.

1. Shake hands with trees. Do you say “Ouch”? If you do it’s a Spruce tree.
Take a tally of the spruce trees you find.
2. Add up tallies.
3. Write the number.

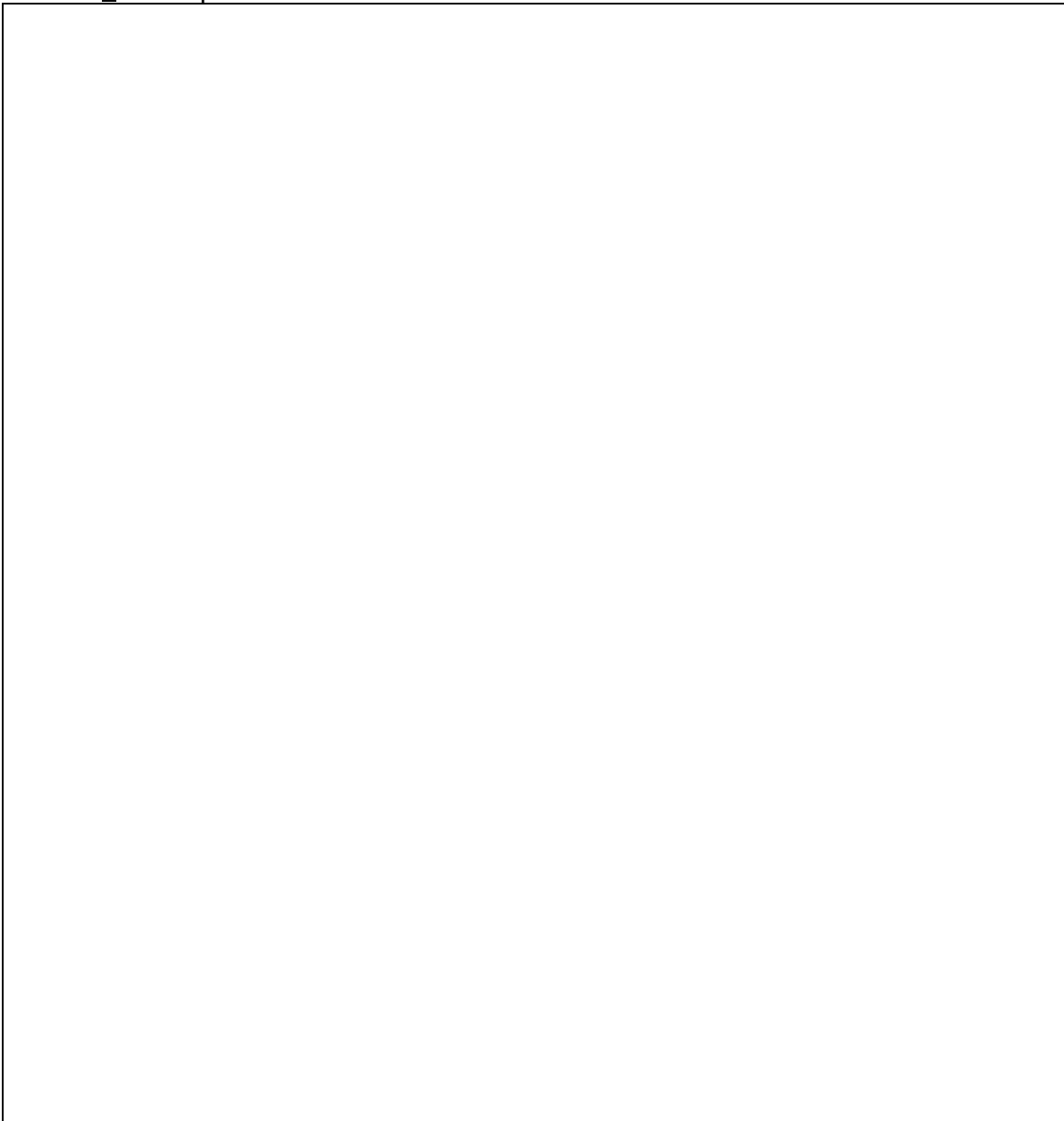
Data Table

Type	Description	Tallies	Number
 <p><i><u>k</u>id</i> Spruce</p>	When you shake hands with the spruce you’ll say “ ouch! ”		

Explore a Spruce Tree

Draw a picture of a spruce tree.

1. Find a Spruce tree. Shake hands. If you say “Ouch!” You’ve found one!
2. Use a pencil to draw your Spruce tree.
3. Remember to include:
 - *kíid hlúu* – trunk
 - *tláas* – branches
 - *kíid sk'a'íi* – needles
 - *kíid k'uj* – bark
 - *stl'áas k'ámaal* – cone
 - *k'aas* – pitch



Branch Exploration

Explore the branch of a Spruce tree.

1. Draw the branch. Include the following:

- *tláas* – branch
- *kíid sk'a'íi* – needle



Cone Exploration

Explore a spruce cone.

1. Draw the cone.

- *stl'áas k'ámaal* - cone

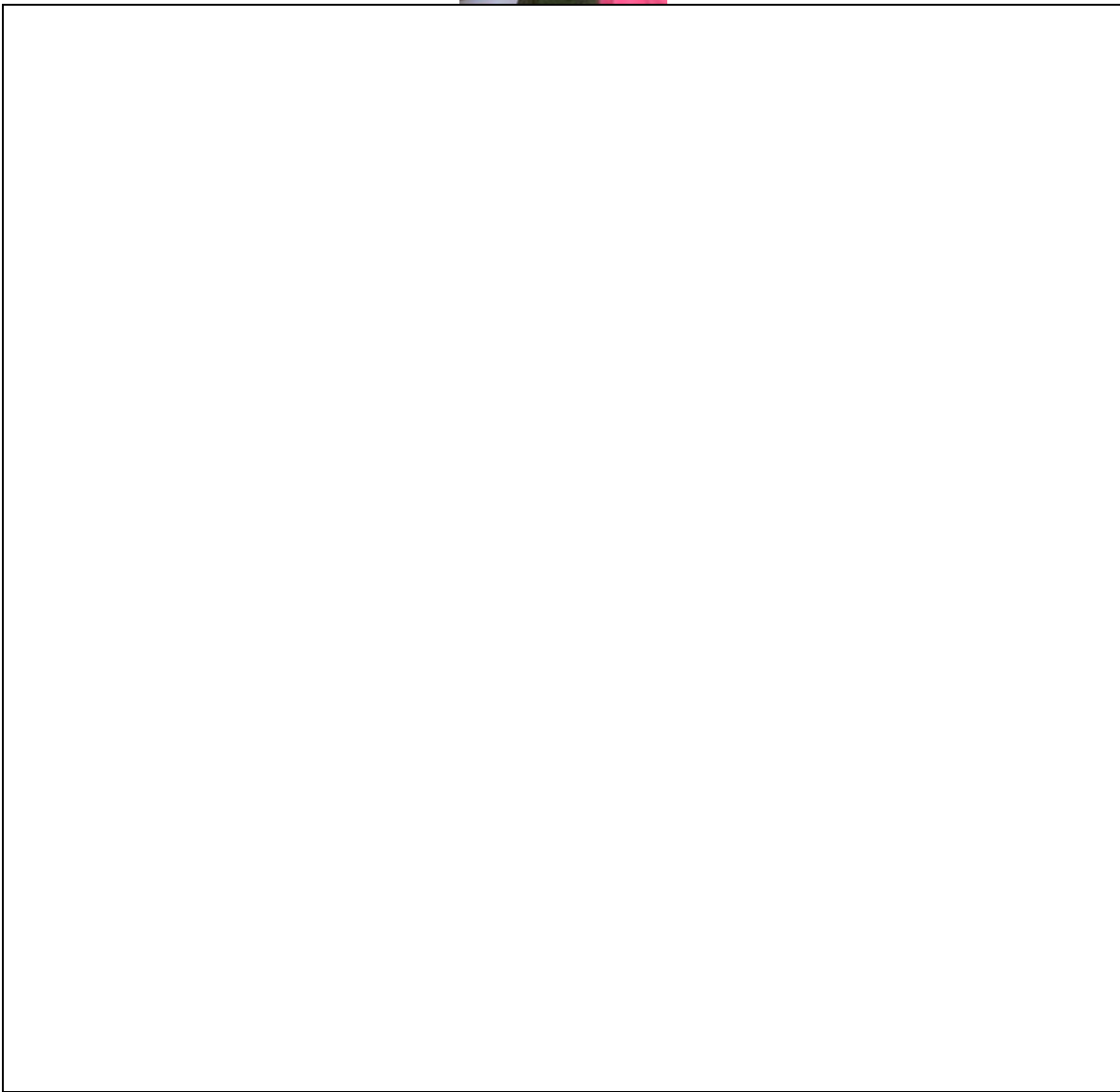


A large, empty rectangular box with a black border, intended for drawing the cone.

Bark Exploration

Explore the bark of the spruce tree.

1. Touch, Feel, and Look at the bark
2. Make a rubbing.
 - a. Place this page on trunk.
 - b. Hold page in place and color firmly with a crayon.



Spruce Tree Circumference

1. Measure the circumference of a Spruce tree.
 - a. Have a partner hold one end of the string.



- b. Walk around the tree with the string.



- c. With your pencil or crayon mark the string where the ends meet.
 - d. Lay string on a flat surface and measure using links, tiles or rulers.



Units Used	Number

Note to teacher:
Attach bag with measuring string.

Spruce Life Cycle



My Name _____ hín uu díi kya'áang

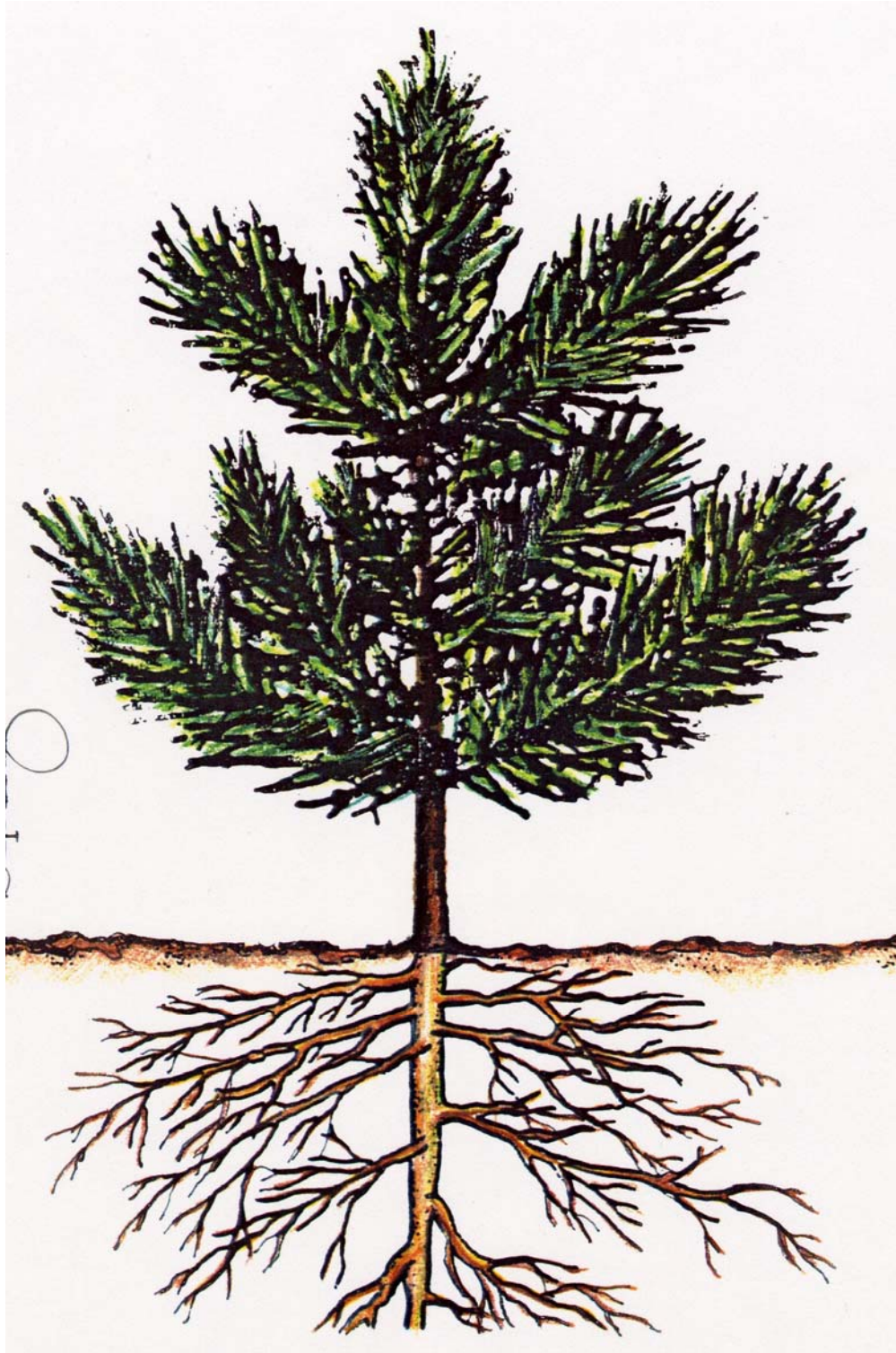
Date Áayaad uu _____ íijang.



Stl'áas k'ámaal isgyáan Máahl
Cone and Seeds



Sprout/Germination



Kíid Hlgwáay
Sapling



Saláanaa Káay Sangáay Kiidaay
Christmas Tree



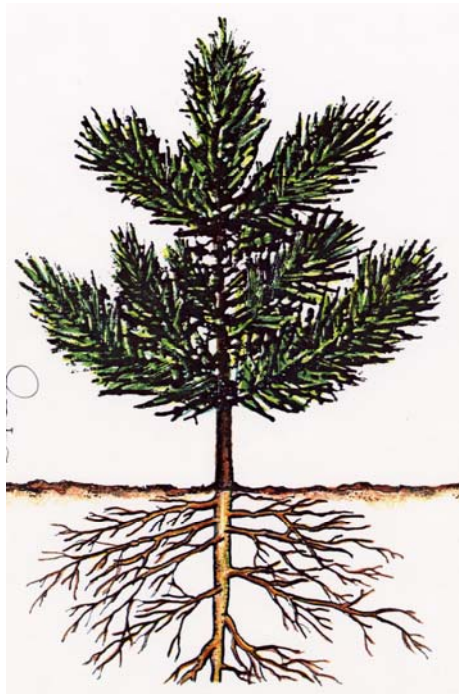
Kiid
Adult Spruce Tree



Kíid Sgáan K'iláa
Dying Spruce Tree

Tree Life Cycle Cards

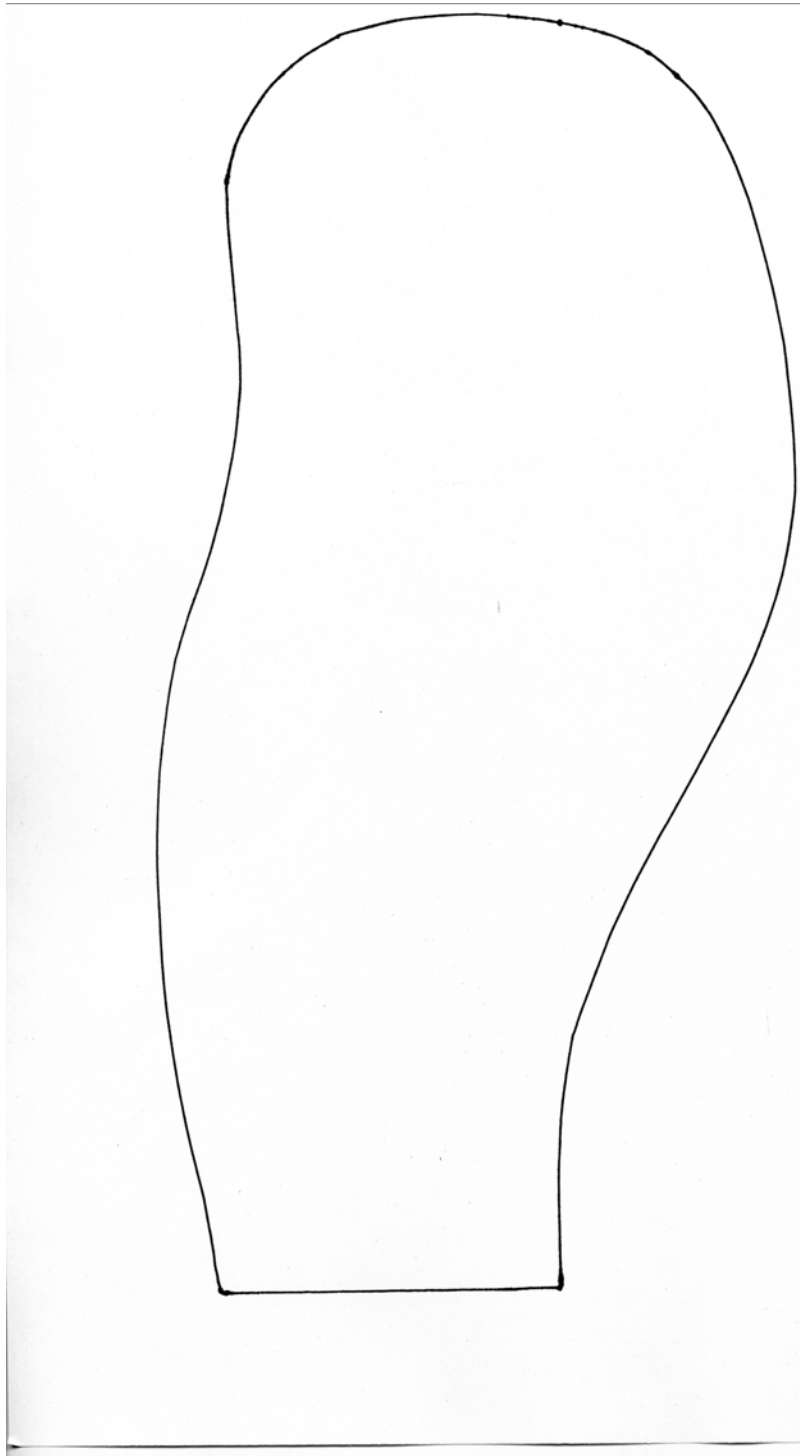








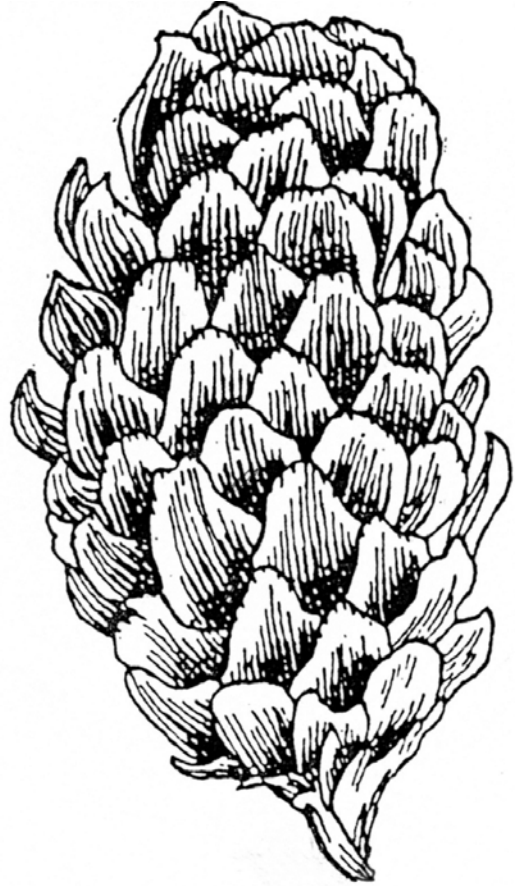
Squirrel Tail Pattern



Enlarge to Legal Size

Spruce Cone Coloring Page

Color and cut out spruce cones.



Spruce Tree Labeling Activity



tláas	branches
kíid k'uj	bark
stl'áas k'ámaal	cone
kíid hlúu	trunk
kíid sk'a'íi	needles
hlíng	roots

Eagle Headdress



Enlarge to Legal Size

Museum Activity



Name _____

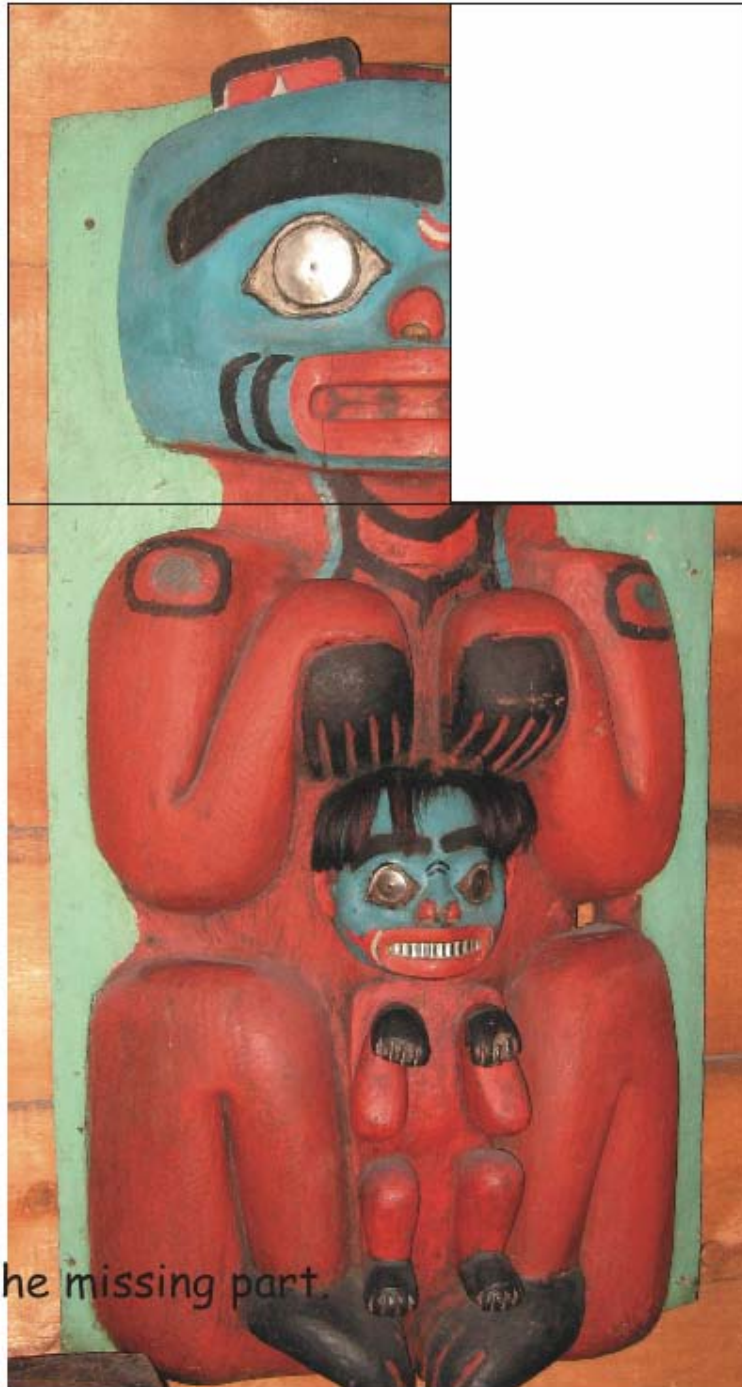
Date _____

Kigw uu íijang
This is a basket.



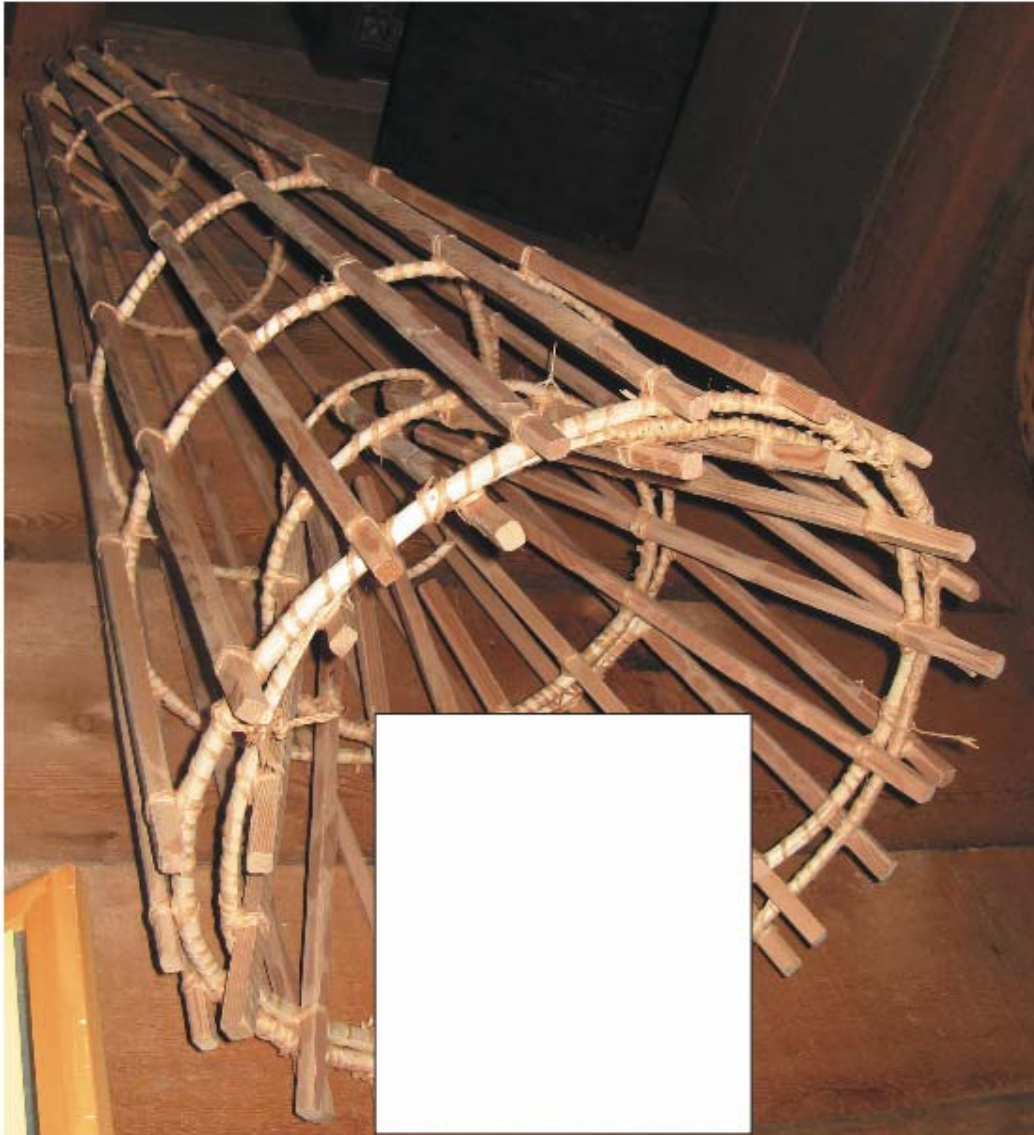
Draw the missing part.

Gáats' uu íjjang.
This is a house post.



Draw the missing part.

Chánh'lk'aa t'úwaan uu íjang.
This is a fish trap.



Draw the missing part.

Dajáng sgíilaa uu íijang.
This is a woven hat with rings.



Draw the missing part.

Draw a museum treasure made from a spruce tree.