

"Drink from the Vessel of Traditional Knowledge."

#### Tlingit Language & Cultural Significance:

Students will learn to count to twenty in Tlingit. Then they will use the essential skills they are learning in K/1 math and apply them in language class, to refine their ability to think in Tlingit.

Students will also learn about the original Tlingit counting system based on 20. That one human is the literal translation of tleikáa, twenty (ten fingers and ten toes). They will also hear about the traditional Tlingit economy, which was based on trade.

#### Elder/Culture Bearer Role:

An elder or culture bearer may be invited into the class to share a story or oral history about trade. Students will make the connection that in Tlingit history there was no dáanaa (cash economy) and that all items were traded, thus being able to count and keep an accurate record of trade items enabled our ancestors to become wealthy and thrive in the harsh environment.

The elder may also lead a small math game during stations. This will build communication in Tlingit among elders who are our fluent speakers and young children. The elder may help with pronunciation of the vocabulary words, as well as teach phrases that come naturally during game conversation. This will be a fun opportunity for both elder and students to learn together.

Gunalchéesh to Selina Everson - Kaséix, Lillian Austin - Yaxdulák, and Irene Cadiente - Jigeit Tláa who assisted in the Tlingit translations and helped pilot the lessons at Harborveiw Elementary School in K-5 classrooms. Overview:

The first lesson is to teach students how to count in Tlingit focusing on correct pronunciation of the words (tone marks, guttural sounds, etc.) and for an elder to share their cultural knowledge about trade. The lesson focuses on ordinal counting (up to 20) by playing a game called "Hóoch'á" and number recognition by playing Memory. At the end of class teach the counting song - Yaa Ndastóow Daa Shéeyi.

The second lesson continues building on basic counting skills through games (remote control race car race) and TPR. The students may become the teacher and give commands to the class in activity 3. At the end of

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class sing Yaa Ndastóow Daa Shéeyi and then teach the song Keijín Yateeyí Kéetx' <u>X</u>aatéen.

The third lesson starts with a review of numbers and counting. Then the students will add two numbers together using manipulatives. At the end of class sing the Five Frogs Song.

The fourth lesson starts with a review of counting and then students will get into small groups for stations. Each station should be approximately 5 mins long. Three to four stations will be set up. At the end of class sing the counting songs

The fifth lesson will be to assess the kids' ability to count to 20 in Tlingit and to add two numbers correctly (under the sum of 12, using 2 dice and manipulatives). This will be done in stations. Set up Math stations like in the fourth lesson; however add some fun games like Uno, War, or Candy Land. This can review and reinforce colors or be a good introduction into teaching colors. Remember to set the expectation for the students to count in Tlingit.

#### Additional Language Resources:

Woosh Yáx Yaa Datúwch - Tlingit Math Book by Hoonah High School and Katherine Mills

Replacing Thing-A-Ma-Jig: The Developmental Language Process by Jim MacDiarmid

Lingít <u>X</u>'éiná<u>x</u> Sá! Say it in Tlingit: A Tlingit Phrase Book Edited by Richard Dauenhauer and Nora Marks Dauenhauer

Dictionary of Tlingit by Keri Edwards

Learning Lingít Naturally: TPR Lessons for Beginners by Bessie Cooley, Hans Chester, & Roy Mitchell - Sealaska Heritage Institute

Beginning Tlingit by Richard Dauenhauer & Nora Marks Dauenhauer Sealaska Heritage Foundation

Sealaska Heritage Website - Numbers Interactive Game

http://www.sealaskah<mark>eri</mark>tage.org/prog<mark>rams/language\_resource</mark>s.htm



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### All Vocabulary for Entire Unit

#### Nouns - Numbers

	Account to		
tlél ya <u>x</u> dustoow	zero	jinkaat <u>k</u> a tléix'	eleven
tléix'	one	jinkaat <u>k</u> a déi <u>x</u>	twelve
déi <u>x</u>	two	jinkaat <u>k</u> a nás′k	thirteen
nás'k	three	jinkaat <u>k</u> a daax'oon	fourteen
daax'oon	four	jinkaat <u>k</u> a keijín	fifteen
keijín	five	jinkaat <u>k</u> a tleidooshú	sixteen
tleidooshú	six	jinkaat <u>k</u> a da <u>x</u> adooshú	seventeen
da <u>x</u> adooshú	seven	jinkaat <u>k</u> a nas'gadooshú	eighteen
nas'gadooshú	eight	jinkaat <u>k</u> a gooshú <u>k</u>	nineteen
gooshú <u>k</u>	nine	tlei <u>k</u> áa	twenty
jinkaat	ten		
_		Hei <u>k</u> aa	Twe

Nouns- Number of times, counting by 2s, 3s, 5s

tléix' dahéen	once
da <u>x</u> dahéen	twice
nas'gidahéen	three times
daax'oon dahéen	four times
kejín dahéen	five times
tleidooshú dahéen	six times
dá <u>xg</u> aa	two by two
nás'gigaa	three by three
keijín <u>q</u> aa	five by five

#### Nouns - Body Parts & Lesson Materials

areriuis
your hand
all your laps
your lap
all your hands
bro <mark>wn</mark> bear
frog
Around the world
dice

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### Verb to Count Imperative Form

Naystóow	You all count	
Neestóow	You count	
Nás'gidé naystóow	You all count to 3.	
Nás'gidé neestóow.	You count to 3.	
Tlei <u>k</u> áade dá <u>xg</u> aa naystóow.	You all count to 20 by 2s.	
Tlei <u>k</u> áade dá <u>xg</u> aa neestóow.	You count to 20 by 2s.	
Tlei <u>k</u> áade, Keijíngaa naystóow.	You all count to 20 by 5s.	
<u>Kux</u> nayistóow.	You all count backwards.	
<u>Kux</u> neestóow.	You count backwards.	
Jinkaatdá <u>x</u> <u>k</u> u <u>x</u> naystóow.	You all count backwards from 10.	
Jinkaatdá <u>x</u> <u>k</u> u <u>x</u> neestóow.	You count backwards from 10.	
Nás'k <u>k</u> a déi <u>x</u> wooch.een naystóow.	3 and 2 you all count them together.	
Nás'k <u>k</u> a déi <u>x</u> wooch.een natóow.	3 and 2 you count them together.	

#### TPR Commands

You all jump three times.
You jump three times.
You all turn in a circle twice.
You turn in a circle twice.
You all clap your hands twice.
You clap your hands twice.
You all slap your thighs two times.
You slap your thighs two times.
You all walk in place and count to 10.
You walk in place.

### Phrases used during lesson activities

Hóoch'.	It's all gone.
Eesháan.	Poor You.
Aadóoch sá yakgwadláa <u>k</u> ?	Who will win it?
Ya <u>x</u> waad <mark>laak</mark> .	I won it.
Ayaawadlaa <u>k</u> .	He/she won it.
Yak'éi áwé.	That is good.
A <u>x</u> adée!	Oh wow!

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I tundatáani	Memory
Wooch udiyaa gé?	Is that a pair?
Aaá.	Yes.
Tléik'.	No.
Wé x'úx' yóo áa ya <u>x</u> tí.	Turn over the paper.
I éet <u>k</u> oowahaa.	Your turn.
Góok!	Go!
Lingít <u>X</u> 'éiná <u>x</u> Sá!	Say it in Tlingit!
Kei kal'it.	Throw them. (roll the dice)
Keijín Yahaayí kaadé nay <u>k</u> oo <u>x</u> .	You all drive to the picture of 5.
Tláakw nas <u>k</u> oo <u>x</u> .	Drive fast!
<u>G</u> ay <u>k</u> í.	You all sit down.
<u>G</u> anú.	You sit down.

Underlying Form of the Verb to count

<u>k</u> a wooch.een natóow.	and you count them
	together.
<u>k</u> a wooch.een	and you all count them
nayistóow.	together.
de dá <u>×g</u> aa naystóow.	You all count by 2s to
de keijíngaa naystóow.	You all count by 5s to
Tlei <u>k</u> áade dá <u>xg</u> aa neeystóow.	You all count to 20 by 2s.
de dá <u>xg</u> aa neeystóow.	You all count to by 2s.

Underlying Form of TPR Commands

kéi yee kduk'én.	You all jump times.	
kei eeshk'én.	You jump times.	
yóo áa ye <u>x</u> yiná <u>k</u> .	You all turn in a circle times.	
yóo áa ye <u>x</u> hán.	You turn in a circle times.	
yee jintáak nayt'ácht'.	You all clap your handstimes	3.
yee goosh káx' nat'ácht'.	You all <mark>slap</mark> your thighstime	S.
Yahaayi kaadé nay <u>k</u> oo <u>x</u> .	You all drive to the picture of	

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### Math-Wooch Yáx Yaa Datóowch K-1

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#### All Materials for Entire Unit

- number posters
- number memory cards
- dice
- Tlingit Number Playing Cards
- ♦ Katherine Mills Math Book
- Flash Lights
- Animal manipulatives frogs & bears
- ◆ Poster of Songs: Yaa Ndastóow Daa Shéeyi, Keijín Yateeyí Kéet Xaatéen, and Keijín Xíxch' Xaatéen
- drums, rattles
- remote control race cars

#### **Assessments**

Pre-assessment: Verbal, ask the students how high they can count in Tlingit, listen to see how far the entire class can count together. If they are able to count far, you may breeze through the beginning lessons and they may start playing games in small groups quicker than if they are new to counting in Tlingit. If that is the case, start slow and play the games with the entire class until they are comfortable to count independently in small groups.

Ongoing Assessment: Assess for students comfort level in counting and their ability to stay in the language. Also look for skip counting, starting to count up from a number other than one all in Tlingit. These are skills all K-1 students are building in English. So keep encouraging students to count Tlingit.

**Post-Assessment:** Use the sheet provided to assess the student's ability to count and add in Tlingit, during Lesson 5 stations.

#### Alaska Cultural Standards for Students:

B1&2: Culturally-knowledgeable students are able to build on the knowledge and skills of the local cultural community as a foundation from which to achieve personal and academic success throughout life. Students who meet this cultural standard are able to:

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- 1) Acquire insights from other cultures without diminishing the integrity of their own; and
- 2) Make effective use of the knowledge, skills and ways of knowing from their own cultural traditions to learn about the larger world in which they live:

D3: Culturally-knowledgeable students are able to engage effectively in learning activities that are based on traditional ways of knowing and learning. Students who meet his cultural standard are able to interact with elders in a loving and respectful way that demonstrates an appreciation of their role as culture-bearers and educators in the community.

E5: Culturally-knowledgeable students demonstrate an awareness and appreciation of the relationships and processes of interaction of all elements in the world around them. Students who meet this cultural standard are able to recognize how and why cultures change over time;

#### State Standards for World Languages:

A4: A student should be able to communicate in two or more languages, one of which is English. A student who meets the content standards should

- 3) Use two or more languages effectively in real life situations; and
- 4) Use two or more languages to learn new information in academic subjects. B2&3: A student should expand the student's knowledge of peoples and cultures through language study. A student who meets the content standard

should:

- 2) Learn about and experience deep characteristics of the culture, including art, cuisine, dance, dress, geography, history, music, and literature; and
- 3) Learn about and experience deep characteristics of the culture, including folkways, mores, laws, traditions, customs, and patterns of behavior.

#### Math Power Standards:

The student demonstrates conceptual understanding of numerals by:

KN-3) building numbers to 20

KN-4) using one to one correspondence up to 20

KN-5) identifying the corresponding numerals from a set of 1 to 10

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# The student demonstrates conceptual understanding of mathematical operations by:

KN-6) given a story problem, adding whole numbers using up to ten objects KN-7) using manipulatives, models, pictures, or language to share thinking about strategies and solutions to problems with peers. (Children should be able to use at least one of these representations of their thinking, and they should be exposed to all.)

1N-6) given a story problem, adding and subtracting whole numbers using up to 20 objects.

### The student demonstrates understanding of number theory by:

KN-8) counting by tens to 100.

1N-8) counting by twos to 20 and by fives and tens to 100.

# The student accurately solves problems, including real-world situations, by:

KEC-2) adding whole numbers using up to ten objects.

1EC-2) adding three single-digit numbers with sums to 20 or less.









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#### Lesson 1 ~ Count from 0 to 20

#### Objectives:

A student will be able to...

- ◆ count to 20 in Tlingit starting at 0
- count backwards to 0 in Tlingit starting at 10
- respectfully listen to an elder share history about trading
- sing Yaa Ndastóow Daa Shéeyi

Time: 30 mins

#### Materials:

- number memory cards
- number posters
- ♦ Yaa Ndastóow Daa Sheeyi Poster, drum

### Tlingit Vocabulary:

#### **Nouns**

tlél ya <u>x</u> dustóow	zero	jinkaat <u>k</u> a tléix'	eleven
tléix'	one	jinkaat <u>k</u> a déi <u>x</u> /	twelve
		dée <u>x</u>	100
déi <u>x</u> / dée <u>x</u>	two	jinaat <u>k</u> a nás′k	thirteen
nás'k	three	jinkaat <u>k</u> a daax'oon	fourteen
daax'oon	four	jinkaat <u>k</u> a keijín	fifteen
keijín	five	jinkaat <u>k</u> a tleidooshú	sixteen
tleidooshú	six	jinkaat <u>k</u> a	seventeen
		da <u>x</u> adooshú	
da <u>x</u> adooshú	seven	jinkaat <u>k</u> a	eighteen
	5383	nas'gadooshú	
nas'gadooshú	eight	jinkaat <u>k</u> a gooshú <u>k</u>	nineteen
gooshú <u>k</u>	nine	tlei <u>k</u> áa	twenty
jinkaat	ten		

#### Phrases

I tundatáani	Memory
Wé x'úx' yóo áa ya <u>x</u> tí.	Turn over the paper.

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Woosh udiyaa gé?	Are they a pair?
Aaá.	Yes.
Tléik'.	No.
Hóoch'.	All gone. No more.
Eesháan.	Poor You.
<u>G</u> ay <u>k</u> í.	You all sit down.
<u>G</u> anú.	You sit down.
Aadóo sá yakgwadláa <u>k</u> ?	Who will obtain it (win)?
Ya <u>x</u> waadlaa <u>k</u> .	I obtained it (won).
Ayaawadlaa <u>k</u> .	He/she obtained it (won).
Yak'éi áwé.	That is good.
A <u>x</u> adée!	Oh wow!
Lingít Aaní yadaa.	Around the world
I éet <u>k</u> oowahaa.	Your turn.

#### Verb Form: Imperative (Command) to count

Nayistóow	You all count.	
Neestóow	You count.	
Nás'kde nayistóow.	You all count to three.	
de nayistóow.	You count to	
Nás'kde neestóow.	You count to three.	
de neestóow.	You count to	
Jinkaatdá <u>x</u> , <u>k</u> u <u>x</u> nayistóow.	You all count backwards from ten.	
dá <u>x</u> , <u>k</u> u <u>x</u> nayistóow.	You all count backwards from	
Jinkaatdá <u>x k</u> u <u>x</u> neestóow.	You count backwards from ten.	
dá <u>x k</u> u <u>x</u> neestóow.	You count backwards from	







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### Yaa Ndastóow Daa Shéeyi Written by David Katzeek and George Holly

Vocables: Nás'k nás'k nás'k

hei hei haa Nás'k áyá

hei i yaaw Nás'k

hei Nás'k nás'k hei hei Nás'k áyá

hei I yaaw repeat once

Yaa ndastóow daa shéeiyi

hei Vocables

hei hei

yaa ndastóow Daax'oon daax'oon

Daax'oon áyá

Tléix' tléix' tléix' Daax'oon

Tléix' áyá Daax'oon áyá Tléix' **repeat once** 

Tléix' tléix'

Tléix' áyá Vocables

repeat once

Keijín keijín **Vocables** Keijín áyá

Keijin dyt

Déi $\underline{x}$  déi $\underline{x}$  déi $\underline{x}$  Keijín áyá

 $D\acute{e}i\underline{x}$  áyá repeat once

Déix

Déix déix Vocables

Déi<u>x</u> áyá

repeat once Hóoch'á

Vocables





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#### Lesson 1 ~ Counting 0 to 20

<u>Time:</u> 30 mins Activities:

#### Activity 1 - Introduce Counting 0-20 (5 mins)

Ask the students if they can count to 20. Then lead them in counting in English to 20, remember to include zero. Then ask them if they can count in Tlingit. Lead the students in counting from 0 to 10. If this is an easy task for them continue to 20, however, do not go too fast, constantly assess the students for level of understanding. For example if you are teaching only a Kindergarten class that has never heard Tlingit count only to five. Once you lead counting 3-4 times, move on to the next activity.

#### Activity 2 - Hóoch'á (10 mins)

Play the game Hóoch'á. Have the students stand in a circle, pick one to start counting at zero, the next friend says one, the next friend says two, and so on up to five. After five is said the next friend says Hóoch'á and sits down. Start over at zero. Continue playing until only one friend is left standing. Use your fingers or the large number cards to assist in counting.

Next play the game counting backwards from three to zero, after zero is said the next friend says Hóoch'á and sits down. Students sitting usually get restless so play the game up to three times.

### Activity 3 - Memory (10 mins)

Use the large number cards first (0 to 10) and lead the entire class in a game of memory, challenge the studetns to only speak in Tlingit. Encourage them to count up to their number in Tlingit. Replay as time allows.

### Activity 4 - Elder Sharing (5 mins)

Invite a cultural bearer, fluent speaker, or Tlingit elder to share about Trade in the Tlingit culture. Explain to kids the importance that trade played in the survival of the Tlingit people.

### Activity 5 - Sing (5 mins)

Sing the song Yaa N<mark>das</mark>tóow Daa Shéeyi.

#### Assessment:

During the lesson watch for the students' comprehension of counting and correct pronunciation. Start Lesson 2 with a review of the sounds they are having difficulty with.

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#### Additional Optional Activities:

If the students are already excellent counters you may move into the Lesson 2 vocabulary early (count by 2s or 5s), thus making counting and Hóoch'á more challanging. You may also split them into small groups and have them play memory so more students have the opportunity for a turn.





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#### Lesson 2 ~ Total Physical Response (TPR Commands)

#### Objectives:

A student will be able to...

- count backwards from ten to zero
- count by 2s to 10 and by 5s to 20
- respond correctly when given a TPR command
- ♦ give TPR commands to the class

Time: 30 mins

#### Materials:

- ♦ dice
- ♦ Keijín Yateeyí Kéet Xaatéen song poster
- remote control cars
- ♦ Number Posters

#### Tlingit Vocabulary:

Numbers - see Lesson 1 for numbers 1 - 20

tledahéen	once	
da <u>x</u> dahéen	twice	
nás'k dahéen or	three times	
nas'gidahéen		
daax'oondahéen	four times	
kejindahéen	five times	
tleidooshudahéen	six times	
dá <u>xg</u> aa	two by two	
nás'gigaa	three by three	
keijín <u>g</u> aa	five by five	
yee jín	your all hands	
i jín	your hand	
yee gushká	your all thighs	
I <u>q</u> ushká	your thighs	
The state of the s	The state of the s	

TPR Commands & Imperative (command) Form of to count

Nas'gida <mark>hé</mark> en kéi yee kduk'én.	You all jump three times.	
kéi yee kduk'én.	You all jump times.	
Nas'gidahéen kei eeshk'én.	You jump three times.	

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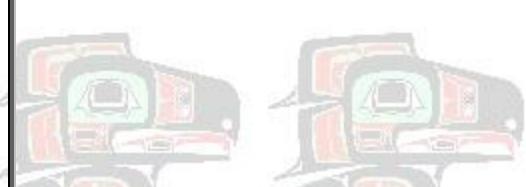
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kei eeshk'én.	You jump times.	
Da <u>x</u> dahéen, Yóo áa ya <u>x</u> yiná <u>k</u> .	You all turn in a circle twice.	
yóo áa ya <u>x</u> yiná <u>k</u> .	You all turn in a circle times.	
Da <u>x</u> dahéen, yóo áa ya <u>x</u> hán.	You turn in a circle twice.	
Da <u>x</u> dahéen yee jintáak nayt'ácht'.	You all clap your hands twice.	
Da <u>x</u> dahéen i jintáak naťáchť.	You clap your hands twice.	
Da <u>x</u> dahéen yee <u>q</u> ushká nayťáchť.	You all slap your thighs two times.	
Ldakát uhaan at yiná <u>k</u> tliyéix'	You all walk in place and count to 10.	
jinkaatdé nayistóow.		
Tliyéix' yaa gagú.	You walk in place.	
Jinkaatdá <u>x k</u> u <u>x</u> nayistóow.	You all count backwards from ten.	
Jinkaatdé, dá <u>xg</u> aa neestóow.	You all count by 2s to ten.	
Tlei <u>k</u> áade, Keijíngaa nayistóow.	You all count by 5s to twenty.	
Kei kal'it.	Throw them. (roll the dice)	
Keijín Yahaayí kaadé nay <u>k</u> oo <u>x</u> .	You all drive to the picture of 5.	
Tláakw nas <u>k</u> oo <u>x</u> .	Drive fast!	



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Keijín Yateeyí Kéet <u>X</u>aatéen. By Selina Everson, Nancy Douglas, and Hans Chester

Éekdei yaa ntoo.át', daa sá iyatéen? Keijín yateeyí kéetx' <u>x</u>aatéen, Keijín yateeyí kéetx' <u>x</u>aatéen, Keijín yateeyí kéetx' <u>x</u>aatéen. Tléix' yateeyí aa De yíndei woox'aak.

Ée<u>k</u>dei yaa ntoo.át', daa sá iyatéen? Daax'oon yateeyí kéetx' <u>x</u>aatéen, Daax'oon yateeyí kéetx' <u>x</u>aatéen, Daax'oon yateeyí kéetx' <u>x</u>aatéen, Tléix' yateeyí aa De yíndei woox'aak.

Éekdei yaa ntoo.át', daa sá iyatéen? Nás'k yateeyí kéetx' <u>x</u>aatéen, Nás'k yateeyí kéetx' <u>x</u>aatéen, Nás'k yateeyí kéetx' <u>x</u>aatéen. Tléix' yateeyí aa De yíndei woox'aak. Éekdei yaa ntoo.át', daa sá iyatéen? Déix yateeyí kéetx' xaatéen, Déix yateeyí kéetx' xaatéen, Déix yateeyí kéetx' xaatéen. Tléix' yateeyí aa De yíndei woox'aak.

Ée<u>k</u>dei yaa ntoo.át', daa sá iyatéen? Tléix' yateeyí kéetx' <u>x</u>aatéen, Tléix' yateeyí kéetx' <u>x</u>aatéen, Tléix' yateeyí kéetx' <u>x</u>aatéen. Tléix' yateeyí aa De yíndei woox'aak.

Ée<u>k</u>dei yaa ntoo.át', daa sá iyatéen? Ldakát has kéet Ldakát has kéet Ldakát has kéet De yíndei has woox'aak.







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"Drink from the Vessel of Traditional Knowledge."

#### Lesson 2 ~ Total Physical Response (TPR Commands)

Time: 30 mins

#### Activities:

#### Activity 1 - Review of Counting (5 mins)

Ask for one volunteer to help lead the review of counting. Start with counting from zero to twenty. Constantly assess and model pronunciation and ability to remember how to count. If the class needs more time to review play a quick game of Hóoch'á or Memory. If they are ready move to counting backwards from ten to zero, then counting by twos to twenty and by fives to twenty.

#### Activity 2 - TPR Commands (5-8 mins)

Give students TPR commands that focus on counting. This will also expose the students to hearing the numbers in a different noun form. Encourage the students to count the number of times they are doing the various commands (ie count to three, when you clap three times). Start with full group commands and assess the students ability to understand and then move to singular commands. For more TPR commands use: Learning Lingít Naturally.

### Activity 3 - Students are the teacher & give TPR Commands (10 mins)

Have students stand in a circle and take out the dice. Ask if any of the students want to be the teacher and give commands. Have the student being the teacher roll the dice and give a TPR command. Assist student in giving command by modeling the TPR command patterns.

### Activity 4 - Remote control cars race

Using remote control cars, place the number posters on the floor and say a number, have the students race to the number.

### Activity 5 - Kéet Daa Shéeyi Song (5 mins)

Lead the students in singing the song Kéet Daa Shéeyi.

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#### Assessment:

Continiously assess students ability to count. Expose them to counting by 2s and 5s, if they are ready have them count by 3s or another multiple. But if they are having difficultly in counting continue to build the basic ordinal counting skills.

#### Additional Optional Activities:

- ♦ Have students create a number book, 1-10. Prep the book by writing the number word on the bottom of the page.
- ◆ Play Knee Knock game, Balloon Volley Ball, or Flash Light Find from Replacing Thing-a-ma-jig.
- ◆ Play Simon Says, phrases for the game are in Beginning Tlingit Lesson
   4.





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#### Lesson 3 ~ Wooch Yáx Yaa Datóowch

#### Objectives:

A student will be able to ...

- ♦ recognize and read numbers in Tlingit 0-20
- add two numbers together in Tlingit using manipulatives
- sing Keijín Xíxch' Xaatéen Shéeyi

Time: 30 mins

#### Materials:

- \* Around the world playing cards
- ♦ dice
- manipulatives (frogs & bears used in lesson)
- ♦ Keijín Xíxch' Xaatéen Shéeyi posters

#### Tlingit Vocabulary:

Nouns - Look at Lesson 1 Nouns for numbers

yoot kadul'it al <u>k</u> aa át	dice	1
xóots	bear	
xíxch'	frog	

#### Verbs

Kei kageech	You toss it. (dice)
Nás'k <u>k</u> a déi <u>x</u> wooch.een nayistóow.	3 and 2 you all count them together.
<u>k</u> a wooch.een	and you all count them
nayistóow.	together.
Nás'k <u>k</u> a déi <u>x</u> wooch.een natóow.	3 and 2 you count them together.
<u>k</u> a wooch.een natóow.	and you count them
	together.

#### Phrases:

Lingít Aaní Yadaa	Around the world
I éet <u>k</u> uwaháa.	It is your turn.
Wa.é deis.	Your turn.

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### Math-Wooch Yáx Yaa Datóowch K-1

"Drink from the Vessel of Traditional Knowledge."

Keijín Xíxch' <u>X</u>aatéen Shéeyi Translated by Hans Chester & Nancy Douglas

Keijín Xíxch' <u>X</u>aatéen gán kát has <u>k</u>éen táax'aa has a<u>x</u>áa éits'k' éits'k' áak'wde kei wjik'én tle awsi.át' wé héen daax'oon xíxch' áwé. hei hei

daax'oon xíxch' <u>x</u>aatéen gán kát has <u>k</u>éen táax'aa has a<u>x</u>áa éits'k' éits'k' áak'wde kei wjik'én tle awsi.át' wé héen nás'k xíxch' ee áwé hei hei

nás'k xíxch' <u>x</u>aatéen gán kát has <u>k</u>éen táax'aa has a<u>x</u>áa éits'k' éits'k' áak'wde kei wjik'én tle awsi.át' wé héen déi<u>x</u> xíxch' ee áwé hei hei déi<u>x</u> xíxch' <u>x</u>aatéen gán kát has <u>k</u>éen táax'aa has a<u>x</u>áa éits'k' éits'k' áak'wde kei wjik'én tle awsi.át' wé héen tléix' xíxch' ee áwé

tléix' xíxch' <u>x</u>aatéen gán kát uwanook táax'aa a<u>x</u>áa a éits'k' éits'k' áak'wde kei wjik'én tle awsi.át' wé héen yeedát tlél xíxch' ee áwé

hóoch' áwé

I see five frogs
Sitting on a log
they ate a bug
yum yum
One jumped into the pool
where it is nice and cool
now there are four frogs
hei hei

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#### Lesson 3 ~ Wooch Yáx Yaa Datóowch

Time: 30 mins

#### Activities:

#### Activity 1- Review of counting Whisper and Shouting (2 mins)

Have the students count by twos and fives to twenty. When counting by ones you can have students whisper the odd number and shout the even number.

#### Activity 2- Review of Number Recognition Around the World (8 mins)

Using the flash cards have the students sit in a circle and flash a card to the first two, whom ever says the number correctly first moves on to the next student. Go until one student completely goes Around the World (circle).

#### Activity 3 - Adding two numbers (10 mins)

Fill two ziploc bags with 1 die and 6 manipulatives each, (you could use different animals or colors and teach those as new nouns), for this lesson I am using bear (xóots) and frog (xíxch') manipulatives. Give two students each one bag, have them roll the dice and then give them the command to add how many frogs and bears there are all together.

### Activity 4 - Songs

Sing Keijín Xíxch' <u>X</u>aatéen Shéeyi. If time permits sing the other counting songs.

#### Assessment:

Look for students who only count in Tlingit to use them as models for speaking Tlingit, to encourage all students to only count in Tlingit.

### Optional Activities:

Activities from the book Replacing Thing-a-ma-jig. Remote Control
cars race, give students two numbers and have them race to the
answer. other fun games are Knee Knock or Flash Light Find.

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• For Activity 3: If you have enough manipulatives then give each student a bag, so all students can follow along with whom ever is tossing the dice.





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#### Lesson 4 ~ Stations

#### Objectives:

A student will be able to ...

- play math games in small group stations
- ♦ add two numbers in Tlingit
- ♦ count by twos in Tlingit

<u>Time:</u> 30 mins

#### Materials:

- Number memory cards
- ♦ bag of dice & manipulatives
- ♦ Computers open to Sealaska Heritage Website Interactive Games: http://www.sealaskaheritage.org/programs/language\_resources.htm

#### Tlingit Vocabulary:

#### Nouns

tlél ya <u>x</u> dustóow	zero	tleidooshú	six
tléix'	one	da <u>x</u> adooshú	seven
déi <u>x</u> / dée <u>x</u>	two	nas'gadooshú	eight
nás'k	three	gooshú <u>k</u>	nine
daax'oon	four	jinkaat	ten
keijín	five	xóots	bear
yoot kadul'it al	dice	xíxch'	frog
<u>k</u> aa át			

#### **Verbs**

Nás'k <u>k</u> a déi <u>x</u> wooch.een nayistóow.	3 and 2 you all count them together (add)
Nás'k <u>k</u> a déi <u>x</u> wooch.een natóow.	3 and 2 you count them together
Kei kageech.	Roll the dice.

#### Phrases

Woosh udiyaa gé?	Are they a pair?	
Aaá.	Yes.	
Tléik'.	No.	
Hóoch'	All gone	
Yóo áa yá <u>x</u> tí wé x'úx'.	Flip over the card.	
Ya <u>x</u> waadlaa <u>k</u> .	I won.	

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Yaa wadlaa <u>k</u> .	He/She won.
Eesháan.	Poor You.





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#### Lesson 4 ~ Stations

Time: 30 mins

#### Activities:

#### Activity 1 - Review of Counting (4 - 5 Mins)

Lead the students in counting by twos to twenty, backwards from ten to zero and by fives to twenty.

#### Activity 2 - Stations (20 Mins)

Station 1: Adding with Language Teacher Station 2: Hóoch'á with a fluent speaker

Station 3: Memory with independent small group

Station 4: Sealaska Heritage Website - Numbers Interactive Game <a href="http://www.sealaskaheritage.org/programs/language\_resources.htm">http://www.sealaskaheritage.org/programs/language\_resources.htm</a>

#### Activity 3 - Counting Songs (5 Mins)

Sing Kejín Yateeyí Kéet <u>X</u>aatéen, Yaa Ndastóow Daa Shéeyi, and Keijín Xíxch' <u>X</u>aatéen Shéeyi

### Additional Optional Activities:

- ◆ Talk with the classroom teacher about what math games they are playing during math and translate the games into Tlingit and use those games as a station.
- ♦ In the small adding group use the remote control cars, give students two numbers and have them race to the answer.







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#### Lesson 5 ~ Math Games & Assessment

#### Objectives:

A student will be able to...

- play math games in small group stations
- ♦ add two numbers in Tlingit
- count by twos in Tlingit

Time: 30 Mins

#### Materials:

- Number memory cards
- bag of dice & manipulatives
- ♦ Teacher Assessment Sheet
- ♦ Optional Math Games: Uno, Candy Land, Chutes and Ladders, War, etc.
- ♦ Computers open to Sealaska Heritage Website Interactive Games: http://www.sealaskaheritage.org/programs/language\_resources.htm

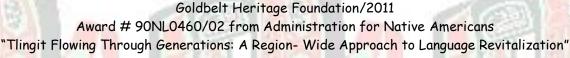
#### Tlingit Vocabulary:

Nouns See Lesson 1 for Numbers

yoot kadul'it al <u>k</u> aa át	dice	
xóots	bear	
xíxch'	frog	100

#### TPR Commands & Phrases

Nás'k ka déix wooch.een naystóow.	3 and 2 you all count them together						
	(add)						
Nás'k ka déix wooch.een natóow.	3 and 2 you count them together						
Kei kageech.	Roll the dice.						
Lingít <u>X</u> 'éiná <u>x</u> Sá!	Say it in Tlingit!						
Naystóow.	You all count.						
Neestóow.	You count.						





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#### Lesson 5 ~ Games and Assessment

Time: 30 mins

#### Activities:

#### Activity 1 - Counting Review

Review counting with the students, by playing Hóoch'á or Memory.

#### Activity 2 - Stations

Station 1: Assessment on Adding with Language Teacher
Use the Assessment Sheet and note if the student is able to:

- 1. count by 1s to 20
- 2. count by 2s to 20
- 3. count backwards from 10 to 0
- Add two numbers correctly using dice & manipulatives

Station 2, 3, 4: Counting - Optional Math Games

- 1. Candy Land
- 2. Chutes and Ladders
- 3. Uno
- 4. War
- 5. Memory

The games are great way to review or introduce colors.

Station 5: Sealaska Heritage Website - Numbers Interactive Game

<a href="http://www.sealaskaheritage.org/programs/language\_resources.htm">http://www.sealaskaheritage.org/programs/language\_resources.htm</a>

### Assessment: (on going during class)

Challenge the students to only speak in Tlingit while playing the games.

### Additional Optional Activities:

- ♦ Sing the Counting Songs.
- Use the classroom teachers math games.
- ♦ Woosh Yáx Yaa Datúwch Tlingit Math Book by the students of Hoonah High School & Katherine Mills

Individual Math Assessment Sheet. Student's Name:

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Counting 0 - 20 check box if student correctly counted to the number.

0	7	14	Did student count
1	8	15	higher?
2	9	16	
3	10	17	Write the highest
4	11	18	number counted to
5	12	19	correctly here:
6	13	20	

Adding Two Numbers together - do this assessment twice

Instruct the Student to Roll Two	1 <sup>st</sup> Time	2 <sup>nd</sup> Tin	ne
Dice in Tlingit.		0 0	
Write the two numbers here:		44	
Did the student correctly identify			
both numbers?	43	( )	
Instruct the student to add the num	nbers in Tlingit.		
Did the student correctly add the	The same of the sa		
numbers together?			1000

Have the student count backwards 10 - 0, check the box if the student correctly counts to the number

10	 7	4	1	
9	6	3	0	
8	5	2		

Instruct the student to count by 2s 0 - 20 in Tlingit,

0	6	12	18	
2	8	14	20	
4	10	16		9

Using flash cards pick four numbers and ask student to identify the number.

Number:	Said Wrong #	Said Correct # by counting to it	Said Corr <mark>ect</mark> #
1			
1			

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									- 10							
Math Count	ing/	Add	ding	As	sess	mer	ıt		A						 	
Students						V										
Names						7										
count 0-10																
count 10-20																
How far																
they can																
count to					1											
count by 2s																
to 20																
count					0						100	- 4				
backwards									_		9	7.5				40
from 10 to 0	h.		- 4					1				N.			- 4	
Add two																
numbers																
correctly																
Identify 4		u								7				12	V	D.
random	110	- 4			- 0		10		, ";	2					- 1	600
numbers		1					. 4				19					N
with out	-					10	P		-					-		-
counting to																
them																

Total kids assessed:







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### Math-Wooch Yáx Yaa Datóowch K-1

"Drink from the Vessel of Traditional Knowledge."

# SOUTHEAST TRADITIONAL TRIBAL VALUES

# "OUR WAY OF LIFE"

- Discipline and Obedience to the Traditions of our Ancestors
- Respect for Self, Elders and Others
- Respect for Nature and Property
- Patience
- Pride in Family, Clan and Traditions is found in Love, Loyalty and Generosity
- Be Strong in Mind, Body and Spirit
- Humor
- Hold Each Other Up
- Listen Well and with Respect
- Speak with Care
- We are Stewards of the Air, Land and Sea
- Reverence for Our Creator
- Live in Peace and Harmony
- Be Strong and Have Courage

Developed, Adapted, and Approved at the 2004 Elders Forum on Traditional Values

Sponsored by Central Council Tlingit and Haida Indian Tribes of Alaska, Circles of Care, SAMHSA Substanc Abuse Planning Project, Elderly Nutrition Program, Johnson O'Malley Program and Alaska Rural Systemic

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