# EAST CREE ONLINE LESSONS USER AND PEDAGOGICAL GUIDE

URL: https://lessons.eastcree.atlas-ling.ca

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#### I. Introduction

This guide is intended for users of the East Cree learning software available on the site eastcree.org and atlas-ling.ca. It will also be useful for teachers who wish to use it as a supplement to their classes. This guide contains a brief description of the target audience and the method used. After an introduction to the East Cree language, we present the software, then the content and the proposed progression, while highlighting the educational objectives of each level and/or lesson. Finally, we give examples of activity types available with the software. Of course, since hundreds of activities are possible with thousands of combinations, we invite the user to try them online.

# II. Target Audience and Method

These series of lessons/activities are designed primarily for adult Cree speakers who are fluent in their language and wish to learn and master the standard orthography.

Our approach combines the phonic method and the global method for learning to read. The syllabic characters are always presented in the context of complete words. The activities are designed so that students gradually learn the presented elements, which include syllabic characters, vocabulary items and grammatical concepts. Numerous activities are also based on complete texts.

The first series of lessons/activities is designed for self-learning. The more advanced series is designed to accompany advanced literacy courses by furthering vocabulary enrichment, mastery of grammatical spelling and grammatical concepts, discovery of the language's morphological structure and working with whole texts.

These lessons/activities were also designed to complement the literacy classes offered by the Cree School Board. Users are invited to consult the thematic dictionary

(https://dictionary.eastcree.org/words), the spelling manual

(https://www.eastcree.org/cree/en/grammar/spelling-east-cree/) and the online grammar (http://grammar.eastcree.org/cree/en/).

# III. Introduction to the East Cree Language

Eastern James Bay Cree is part of the large family of Algonquian languages stretching from the Atlantic to the Rocky Mountains; specifically, it is part of the Cree-Innu language continuum

(see <a href="www.atlas-ling.ca">www.atlas-ling.ca</a>). In 2016, East Cree was spoken by more than 18,000 people in Québec. There are nine East Cree communities whose dialects can be grouped together as follows.

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<sup>&</sup>lt;sup>1</sup> Two additional communities have recently been recognized by the Cree Nation Government: Washaw Sibi (near Amos in Québec) and MoCreebec (residents of Moose Factory or Moosonee in Ontario).

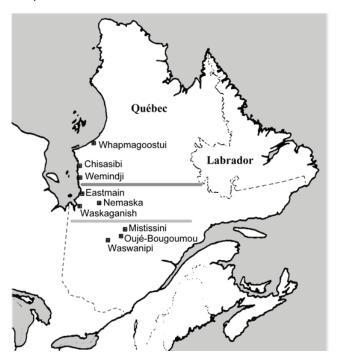
#### Classification of Cree dialects

East Cree can be divided into two main dialects, Southern and Northern. They differ in their pronunciation and spelling, as well as in their vocabulary and certain grammatical features. The Northern dialect includes the communities of Whapmagoostui, Chisasibi, and Wemindji. The Southern dialect is divided into two sub-dialects: Coastal (Eastmain, Waskaganish, Nemaska) and Inland (Mistissini, Oujé-Bougoumou and Waswanipi).

Northern	Southern		
Whapmagoostui	Coastal	Inland	
Chisasibi	Eastmain	Mistissini	
Wemindji	Waskaganish	Oujé-Bougoumou	
	Nemaska	Waswanipi	

The majority of Cree in Québec tend to speak English as a second language. There is also a minority population that speaks French.

#### Map of East Cree communities



#### Writing system

The Cree read and write using a syllabic orthography based on the writing system created by James Evans, a Methodist priest serving the Ojibwe and Cree in Ontario and Manitoba from the 1820s to the 1840s. Modified versions of this system are now also used by the Inuit. The East Cree system is fully pointed, that is, a dot is used above the symbol to mark vowel length. In addition, a dot to the left of the symbol indicates w before a vowel; a small circle in final position (°) indicates a w or consonantal u at the end of a word; and the (") is a symbol for h.

The roman orthography that corresponds to the syllabics is rarely used. However, standard roman orthography can be found in the dictionary, and also allows for typing in syllabics, among other things.

#### Syllabics chart – Eastern James Bay Cree

$\nabla$		Δ	$\dot{\triangle}$	$\triangleright$	$\triangleright$	$\triangleleft$	∢		0	П
е		i	ii	и	ии	а	aa		и	h
$\cdot \bigtriangledown$		$\cdot \nabla$	$\dot{\Delta}$	$\cdot \triangleright$	$\dot{\triangleright}$	.⊲	·Þ			
we		wi	wii	wu	wuu	wa	waa			
$\vee$	$\cdot \vee$	$\wedge$	$\dot{\wedge}$	>	>	<	Ċ	·<	<	
pe	pwe	pi	pii	ри	рии	ра	paa	pwaa	p	
U	$\cdot \cup$	$\cap$	$\dot{\cap}$	)	Ċ	C	Ċ	·ċ	C	
te	twe	ti	tii	tu	tuu	ta	taa	twaa	t	
9	٠٩	ρ	ŗ	٩	j	Ь	Ь	٠j٠	ь	Ь
ke	kwe	ki	kii	ku	kuu	ka	kaa	kwaa	k	kw
1	$\cdot \gamma$	٢	Ļ	J	j	L	i	·i	L	
che	chwe	chi	chii	chu	chuu	cha	chaa	chwaa	ch	
٦	٠٦	Γ	Ė	J	j	L	Ĺ	·Ľ	L	
me	mwe	mi	mii	ти	тии	ma	maa	mwaa	m	
ъ	۰-۰	σ	ъ́	٩	ف	٥	<u>ن</u>	·ċ	٥	
ne	nwe	ni	nii	nu	пии	na	naa	nwaa	n	
$\neg$		_	Ċ	ے	نـ	_	ے	خ.	د	
le	lwe	li	lii	lu	luu	la	laa	lwaa	1	
4	٠٩	۲	نہ	لم	نے	5	i,	. <b>i</b> ,	5	
se	swe	si	sii	su	suu	sa	saa	swaa	s	
	$\cdot \mathbb{V}$	$\int$	ŗ	2	5	S	is	·is	S	
she	shwe	shi	shii	shu	shuu	sha	shaa	shwaa	sh	
4	.4	4	Ż	4	Ą	۲	ن <sub>ا</sub>	٠ <u>ن</u>	7	
ye	ywe	yi	yii	уи	уии	ya	yaa	ушаа	y	
⊸	٠-	<b>∩</b>	ċ	7	P	٩	Ġ	·Ġ	٩	
re	rwe	ri	rii	ru	ruu	ra	raa	rwaa	r	
8	.٨	٨	٨	>	>	~	Ċ	·Ċ	«	
ve	vwe	vi	vii	vu	vuu	va	vaa	vwaa	v, f,	
೮	.ღ	ត	ត់	೨	Ċ	C	Ċ	.خ	c	
the	thwe	thi	thii	thu	thuu	tha	thaa	thwaa	th	

A guide to the pronunciation of syllabics can be found in the *Talking Syllabic Chart*, which is downloadable from the eastcree.org website: <a href="http://eastcree.org/syl-keyboard.html">http://eastcree.org/syl-keyboard.html</a>

A general guide to Cree pronunciation can be found in the section *The Sounds of East Cree*: https://www.eastcree.org/cree/en/grammar/sounds-east-cree/

For spelling, consult https://www.eastcree.org/cree/en/grammar/spelling-east-cree/

And for typing in syllabics, see: <a href="https://www.eastcree.org/cree/en/resources/how-to/cree-fonts/">https://www.eastcree.org/cree/en/resources/how-to/cree-fonts/</a>

#### Cree language structure

Cree structure is quite different from that of French and English. Some differences include:

**Grammatical gender**: Cree nouns are classified as either animate or inanimate. Nouns referring to people, animals and various types of vegetation (including trees and certain plants) are classified as animate. Certain objects such as cars, caribou hide, bread and snowmobiles are also animate. All other nouns are inanimate.

**Verb classes**: Cree verb classes are distinguished according to whether the verb is transitive or intransitive, and also by the gender (animate or inanimate) of the participants (agent and patient).

```
Transitive Animate Verb (VTA)
```

```
•4<7° waapameu vta ◆ s/he sees him/her/it (animate, for example: a snowshoe, a friend)
```

Transitive Inanimate Verb (VTI)

```
·d<"CL waapahtam vti ◆ s/he sees it
```

Animate Intransitive Verb (VAI)

```
σ<'° nipaau vai ◆ s/he sleeps
```

ה'd mihkusuu vai ◆ s/he, it (animate, for example a mitten) is red

Inanimate Intransitive Verb (VII)

**↑J·**Δ<sup>a</sup> chimuwin **vii** • it is raining

**r**".**b**° mihkwaau **vii** ◆ it is red

Cree has only four word classes or grammatical categories: **nouns** (words that designate living beings and things); **pronouns** (words that replace nouns); **verbs** (words that describe actions and states of being); and **particles**, which include the equivalents of conjunctions ('and', 'but'), prepositions ('under') and adverbs ('very').

While the complexity of English and French lies at the sentence level, the complexity of Cree is found at the level of the word. In Cree, a single verb can always constitute a sentence. This is easily seen in the dictionary definitions: all the English translations of Cree verbs are complete sentences.

For more information, see: www.eastcree.org

# IV. Content and progression (Literacy)

- 1. Reading and Writing in Cree
- 2. Reading and Thematic Vocabulary
- 3. Vocabulary and Grammar
- 4. Grammar
- 5. Vocabulary
- 6. Reading Texts

#### 1. Reading and Writing in Cree

**General objective**: Learn syllabic characters.

Pedagogical considerations:

We chose to contrast as much as possible the syllabic characters that are taught, that is, characters that vary according to the consonant (e.g.  $\dot{\land}$ ,  $\dot{\cap}$ ,  $\dot{\dot{\vdash}}$ ,  $\dot{\Box}$ ) and not the vowel (e.g.  $\dot{\dot{\vdash}}$ ,  $\dot{\Box}$ ,  $\dot{\dot{\vdash}}$ ,  $\dot{\Box}$ ), because the vowel only corresponds to a change in the character's orientation (see the variation of characters according to the column rather than the row in the syllabic chart).

Although occurring in a couple of lessons, we deliberately chose not to contrast characters that differ according to the use of the dot above (which indicates vowel length, e.g.:  $\land$ ,  $\dot{\land}$ ), and the use of the dot on the left (which indicates the presence of a w in front of the vowel, e.g.:  $\nabla$ ,  $\dot{\nabla}$ ).

We have also tried as much as possible to respect a parallel progression between the two dialects, despite the differences in characters (for example, the absence of 'e'  $\nabla$  in the Northern dialect).

A chart highlighting which syllabics are introduced in which lesson is available in Appendix A. The superscript number next to each character indicates the number of the Lesson in which the syllabic character is introduced.

#### Lessons 1-8: Large characters

**General objective**: Learn large syllabic characters located in common words.

The table below shows, for each dialect, the characters and words used in the progression.

Lesson 1	Dialect	Syllabics	Vocabulary
	N	☆ ベ ゲ ゲ ዻ	<b>\'\</b> \rangle', <b>\'\</b> \\^ <b>\'</b> \\\ <b>\'</b> \\ <b>\'</b> \\\
		[pî, pâ, shî, sî, â]	[ pîsim, pâhpiu, shîshîp, sîpî, âmû]
	c	d	<b>d</b> j, <b>h</b> pl, <b>r</b> , <b>r</b> , <b>r</b> , <b>r</b>
	S	[â pî sî shî pâ]	[âmû, pîsim, sîpî, shîshîp, pâhpû]
Lesson 2 Dialect		Syllabics	Vocabulary
	N	Ŀ≽r⋅∢j	ĹĊ, <b>&gt;</b> ∩°, ſĿ∆°, ·┥>″, ڶ

		[mâ pû chi wâ mû]	[mâtû, pûtin, chimuwin, wâpush, mûs]
		Ĺ ≽ r ·∢ j	ĹĊ, <b>&gt;</b> ∩°, ਿ¹.∆°, ⋅┥>″, ່」¹
	S	[mâ pû chi wâ mû]	[mâtû, pûtin, chimuwin, wâpush, mûs]
Lesson 3	Dialect	Syllabics	Vocabulary
	N	∇· ∪ Γ ζ <	<b>&gt;</b> ·◁ϳ, ••>△, ┛ϳ៶ʹϳ, ⋂∧ʹϳͼ, •Δϳ·ρͼ
	IN	[pu tû mu ti wi]	[puwâmû, tûtûshinâpui, musâskû, tipiskâu, wiyâkin]
	s	∇· ∪ Γ ζ <	>·◁ϳ, ϳ"◁ਖ, Ϳί៶Ϟϳ, ⋂ΛϞϳο, •Δ϶ϧϧ·
	J	[pu tû mu ti wi]	[puwâmû, tûhân, musâskû, tipiskâu, wiyâkan]
Lesson 4	Dialect	Syllabics	Vocabulary
	N	ነ ፅ ኑ ቦ ለ	<b>ነ</b> ∩"< <b>י</b> , <b>ዕ</b> °, <b>ኦ</b> ኑ°, <b>ቦ</b> <'∘, <b>ለ</b> ኑ°
	.,	[sâ kû yâ ki pi]	[sâchihâu, kûn, yâyâu, kipâu, piyâu]
			\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
	S	\	U"⊳, σV·∆°, ⊳̀1°
		[sâ kû yâ ka pi e ye te pe che]	[sâchiheu, kûn, yâyeu, kapâu, pipun, emihkwân, yekâu, tehû, nipewin, ûcheu]
1	Di-lt	Callabia	
Lesson 5	Dialect	Syllabics	Vocabulary
		÷ ∾ ላ Է ږ ር ·፵ 후 석	Ġ^°, IJ>"∩·ḍ°, ץº·ḍ°, Γץ°, ြtơ°, ြtè°, C"ſ`>, Ò°°, 勐∩L°, ᠯ∩°
	N	[nî shâ si mî chî tâ wî nû yû]	[nîpin, shâpuhtiwân, sikipwân, misit, mîkun,
		[iii sha shini chi ta wi na ya]	chîmân, tâhchipû, wîsht, nûtimâu, yûtin]
			σΛ°, κ')····································
		4 خ ۲۰ ۲۰ ۲۰ ۲۰ خ خ	·▼<"∆b°, ·Å~°, •∩L°, ゼ∩°
	S	[nî shâ chû mî chî tâ we wî nû yû]	[nîpin, shâpuhtuwân, chûchûshinâpui, mîkun,
			chîmân, tâhchipû, wepahîkan, wîsht, nûtimâu, yûtin]
Lesson 6	Dialect	Syllabics	Vocabulary
			<b>Ճ</b> ՐᲫ∩℉, ἠ·∹ʹϲ, Δ"∆່∧່, ፚዮϳ, ቈ<҆°,
		Δ ή Δ σ & ~ ~ ~ d b ·¢	<b>シ</b> ∾・△"・b°, <b>ぴ</b> b゚, <b>ノ</b> >トア゚。 <b>b</b> ゚, ・ <b>Ċ</b> ♪°
	N	[î tî i ni nâ shû shi sû kâ twâ]	[îchikutin, tîpwât, ihîpî, nikimû, nâpâu,
		[ [ Tarring and an ad the circle	shûshuwihkwâu, shikâkw, sûpuyâkin, kâkw,
			twâshin]
			·◄a"Åb°, ᡤ<°, σЫ, ¿V°, ∾∾".9°,
	S	Å Å · Þ & L Љ Å · Č	L♂j~, <b>√</b> bơ, <b>ぺ</b> >ీb°, <b>ఁ</b> ఄ౮°
		[î tî wa ni nâ shû ma shi sû twâ]	[tîpwât, nikamû, nâpeu, manichûsh, shikâkw,
			wanahîkan, sûpuyâkan, shûshûhkweu, twâshin]
Lesson 7	Dialect	Syllabics	Vocabulary
			dd"<, · <b>b</b> ∧ί°, <b>b</b> ′, · <b>c</b> ', · <b>c</b> 'ρ°, <b>b</b> ′ρ°, <b>ν</b> σ-¢ρ°,
	N		
		[a kwâ û pwâ u shu ku mwâ nu]	[akuhp, kwâpichâu, ût, pwâkit, uskin, shunitâkin,
			kutiwâu, mwâkw, nuwitinim]
	S	⊲ ·p ·< ⊳ d ·F	[akuhp, kwâpacheu, pwâkat, uwit, kutaweu, uskan,
	3	[a kwâ pwâ u ku mwâ]	mwâkw]
	]		

Lesson 8	Dialect	Syllabics	Vocabulary
	N	ト・レ イ・ジ <b>ら</b> し・ ・ ・ と・ ・ 、 [yi cwâ su wshâ kî châ ywâ yu nwâ swâ]	ぐっゆり、△・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・
	S	Þ כ פֿ ס א ס ס פֿ כ ל [û tu kâ nu mi ne se i she ya]	<b>&gt;</b> c, っつ" 「b・, 「a・i, b "b j, <b>「</b> r c・, <b>っ</b> j, <b>心</b> 心。, <b>y</b> " r a L・, <b>ム</b> '・ 9 °, <b>'</b>

#### Lessons 9-10: Small syllabic characters

**General objective:** Learn syllabic characters, with a focus on finals.

#### Northern dialect:

	Syllabics	Vocabulary
Lesson 9	<b>၂ ፡ ፡ j ፡፡ ፡ ፡ ፡ ፡ ፡ ፡</b> [chu yî chû h u p t n k ch]	
Lesson 10	L d S ∽ [m kw s sh]	ベアトゥ, ゴト, み六~, ベハト [amiskw, mûs, nîpîsh, atim]

#### Southern dialect:

	Syllabics	Vocabulary
Lesson 9	∥о∢съь [huptnkch]	、いっぱく、 ☆・、 ☆・、 ☆・、 ☆・、 ◇ ♪ ┗ [tîpwât, sûp, pîn, pîhch, ûcheu, ayik]
Lesson 10	L d \ ∽ [m kw s sh]	◁∩┗, ◁ГЧ, Ġ☆∽ [atim, amiskw, mûs, nîpîsh,]
Lesson 11	ト C P イ の イ へ ・L ・	▶ ゝ 。
Lesson 12	· か・し リ・・ソ・・リ・・コ・・ソ・・・へ ・ソ・・へ [wshâ cwâ chu yi pwe twe kwe mwe swe shwe]	「・

# 2. Reading and Thematic Vocabulary

**General objectives:** Learn vocabulary by theme, practice reading syllabics.

Weather (verbs)	Weather (verbs)				
∢∪ ∇৮∾Ļ∿₽ <sub>Ր</sub> Ν	ゼハキ, 「いっち, 「コ・ムキ, ム・ヴァハキ, 六・ムキ, ベン・らハキ, み「いから。, 「ゼウット。, ハ"らっ。, 「いたっ。, 「ガウト。, トック・ムキ, ムトはっ。」。 「いから。, ロック・スキー。」。 「いから。」。 「いからら。」。 「いからららららららららららららららららららららららららららららららららららら				
<b>Δ ⊲C ∇C,٩</b> μρ	∴・△°、 「、・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・				

Animals (no	Animals (nouns)				
N   4.ムシレ	「ふらっ、ゴσσίος、Γ"Δ"ρα、·Δρωσ, Γ"ίσα、 γ"σς、 σσίος  [ation aminimus minimus minimu				
٩٠٩٢٢٠	[atim, amiskw, wâpush, mûs, shikâkw, atihkw, kâkw, wâpiskw, âpikushîsh, nichikw, wâpishtân, chishâyâkw, ânikuchâsh, mihîhkin, wichishkw, mihchâshiu, sihkus, nikuchâsh]				
S					
<b>◄.♥∱∽</b> \\					
	[atim, amiskw, atihkw, kâkw, nikuchâsh, wâpiskw, chisheyâkw, kâkush, shikâkw, mûs, âhchikw,				
	wâpush, shikushîsh, âpikushîsh, mahîkan, wâpishtân, nichikw, mahcheshû, wachishkw]				

Birds (nouns	(nouns)	
N	σʰ, ɾ̞̞̞̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣̣	
<b>マティト</b>	▷"▷Γґ°, Г∽∩d"♭°, Å"Å"ٰ	
	[nisk, chiyâshkw, mwâkw, shîshîp, wîshkichânish, chuwâshk, michisiu, wâhwâu, shâshâshiu,	
	kâhkâchiu, piyâu, uhûmisiu, mishtikuhyâu, pîhpîhchâu]	
S	Γϧʹϭ, ╘"╘ϳ, σ-Կ, ∿∿ώ, Λ4ở∽, ·Ĺϥ, ·∇"·∇°, ΓΓϲʹ, ởở<, Λ4°, ለ"ለֹበ°,	
۸۲۵۰	▷"▷Γċ, ·Δ∽ρὑσ∽, ベ∽ベ~∪°, ·ϤΛ4°, Γ\∩ċ	
	[chiyâshkw, kâhkâchû, nisk, shesheshû, piyeshîsh, mwâkw, wehweu, michisû, shîshîp, piyeu,	
	pîhpîcheu, ûhûmisû, wîshkichânish, pâshpâshteu, wâpiyeu, mistisû]	

Insects and	Insects and others (nouns)						
N Γσὸ√·	d」, L 「 つ d 「 っ , ・b "・b ヘ r っ , て r い っ 、 へ 「 a r o , ム r o , ム r o , で で 。 , r r i っ , ト b i っ に a mâchishkuchish, kwâhkwâpisiu, misisâhkw, achinâpikw, âyikw, îyik, tâhtâu, sichimâu, minitûsh, uchâu]						
S Lojor	〈 」, 、						

Kitchen and hous	Kitchen and household (nouns)					
Ŋ Ÿ"∪ЬĹ"ŗ ġŸ∪"ŗ ſ	<sup>↑</sup> ·ぐ <sup>c</sup> 、ぐっ <sup>、</sup> トー・					
╡<┖╓⊳⋅∇╺╓ ¸┥╱₽╓Ÿ₽σ╓ӷ	· △ ト b º , · ▽ < " Å b º ,					

#### 3. Vocabulary and Grammar

**Objectives:** Learn grammar: nouns and verbs, grammatical gender of nouns, gender agreement of nouns and verbs. Continue practicing reading with thematic vocabulary.

These activities are designed to accompany advanced literacy courses where grammar concepts are presented.

The lessons below aim to help the student master the concept of grammatical gender of nouns (animate Vs. inanimate) within particular themes, as well as the agreement of nouns with the appropriate class of verb: VAI or VII, and VII or VTA.

#### References:

https://www.eastcree.org/cree/en/grammar/northern-dialect/nouns/inflections-gender/https://www.eastcree.org/cree/en/grammar/northern-dialect/verbs/cree-verb-classes/http://www.eastcree.org/cree/en/grammar/southern-dialect/nouns/inflections-gender/https://www.eastcree.org/cree/en/grammar/southern-dialect/verbs/cree-verb-classes/

# 3.1 Transportation – Animate & Inanimate

VAI or VII							
Northern			Southern				
Corresponds with ·<	^┌° [NA] or ・◁<゚° [NI]	Corresponds with ·<	વં<ં [NA] or ∙વં<ં [NI]				
<>△	apui	NA	<>△	apui	NA		
۵i۲۲	asâm	NA	۵۱٬۲	asâm	NA		
ĻĹα	chîmân	NI	Ļϰ	chîmân	NI		
₽∪"∪∨∾Ь∙⊲ЪСФС	kâtihtipishkiwâkiniwit	NA	U"UV·∆>"¡>\-\qiP。	tihtipiwepuhûsuwâkan	NA		
PV <l.,^l.,< td=""><td>kâpipâmihyâmikihch</td><td>NI</td><td>ΡΨΔ<u></u></td><td>kâpimihyâmakahch</td><td>NI</td></l.,^l.,<>	kâpipâmihyâmikihch	NI	ΡΨΔ <u></u>	kâpimihyâmakahch	NI		
PD~Ç9≏LV"Ç¢	kâushtâkunichipihtât	NA	PD/U"C9&L<"Cc	kâustihtâkunichipahtât	NA		
14V?>C4VÞ·9	kâwâpikitushûpiyich	NI	<i>ċ.</i> ∇"bj	shûwehkachû	NI		
⊳Ċ<ċ^⁰	utâpânâskw	NA	⊳ċċ°	utâpân	NI		
⊳c	ût	NI	⊳ĊĊċь٩	utâpânâskw	NA		
V.⊴"bL∘	shiwâhkichiu	NI	⊳c	ût	NI		

VTA or VTI	VTA or VTI							
Northern Corresponds with σ·ዻ່∧"Ċˆ [NI] or σ·Ϥ່∧Ĺˆ [NA]			Southern					
			Corresponds with $\sigma$	વં<"∪° [NI] or σ·વં<ં∟°	[NA]			
<>△	apui	NA	<>△	apui	NA			
۵۲۲	asâm	NA	۵۱٬۲	asâm	NA			
ĻΓσ	chîmân	NI	Ļ[ ₀	chîmân	NI			
₽∪"∪∨∾Ь∙⊲Ь₽₽	kâtihtipishkiwâkiniwit	NA	U"UV·∆>"Þ\·∢P•	tihtipiwepuhûsuwâkan	NA			
らヘベニュテレト	kâpipâmihyâmikihch	NI	β√L"μΓΡημ	kâpimihyâmakahch	NI			
₽⊳~Ç٩ΦLV"Ç <sub>c</sub>	kâushtâkunichipihtât	NA	₽⊳≀U"Ç٩٩Ŀ<"Çç	kâustihtâkunichipahtât	NA			
₽-QVÇdVp-9	kâwâpikitushûpiyich	NI	~.√"bj	shûwehkachû	NI			
⊳ċ≺ċь٩	utâpânâskw	NA	⊳ċ<°	utâpân	NI			
⊳c	ût	NI	⊳ċ<ç <sub></sub> ç,q	utâpânâskw	NA			
J.<  PC	shiwâhkichiu	NI	⊳c	ût	NI			

#### 3.2 Traditional Tools – Animate & Inanimate

Vocabulary							
Northern σウ"トベヘト"トゥ" Corresponds with Pσ・ベート [NI] or Pσ・ベート[NA]			Southern Corresponds with ♂·♂<"∪° [NI] or ♂·づ<└° [NA]				
$\Delta$ " $\dot{\Delta}\dot{\Lambda}$ "	ihîpîh	NA	⊲"Å∧"bċ."∩°	ahîpihkânâhtikw	NA		
<b>⊲"i</b> Å"	ahchâpîh	NA	⊲"ἀἀ	ahîpî	NA		
<	akiskwh	NA	<b>⊲</b> "i∴	ahchâpî	NA		

< <p>&lt;<p>&lt;<p>&lt;&lt;<p>&lt;&lt;<p>&lt;&lt;<p>&lt;&lt;</p></p></p></p></p></p>	akwâskupânh	NA		akaskwh	NA
	apiht-h	NA	<0.6,9<	akwâskupân	NA
√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√√	asisuyiu	NI	$\triangleleft \lor_{c}$	apit	NA
ċ"Ġ"ĠΡσΥ°	shâhkwâhîkiniyiu	NI	∆∾Po	eshkan	NI
·PV	kwâpihwânh	NA	<b>占</b> ๎๎า๒"∆๎๒°	kâschekahîkan	NI
ᠤᠰᡗᡤᡳᢖ᠘	nipichitâpânâskwh	NA	<i></i> 占ԿՐ∹С"∆Ь°	kâschipâtahîkan	NI
Ĺ∩"Δ̈ρσ¿°	mâtihîkiniyiu	NI	·p<<	kwâpahwân	NA
]"dĊP&->°	mûhkutâkiniyiu	NI	a<\\\;\;\\	napachihtâpânâskw	NA
>८. ०५०००००००००००००००००००००००००००००००००००	uchikwâchikiniyiu	NI	ĹC"Ġb°	mâtahîkan	NI
.ÿ∾U≀Ļ5°	wîshtischîyiu	NI	J.,9ÇP。	mûhkutâkan	NI
⊳ĊΓ"∆̈ρσ-≻°	utâmihîkiniyiu	NI	∴"·9"∆b°	shâhkwehîkan	NI
⊳Ċ<ċ^d"	utâpânâskwh	NA	⊳r∙₽r₽₽	uchikwâchikan	NI
Ċρ"Ġρσ <sub></sub> Α°	chîkihîkiniyiu	NI	⊳q<₀	ukupân	NI
			ÞĊL"Áb°	utâmahîkan	NI
			ÞĊ<ċ^⁴	utâpânâskw	NA
			⊳rĊ٩ø	usitâskw	NI

# 3.3 Bring Clothing! (ぐぐ or ぐか°/Vぐ or Vゃ)

Examples	
Northern - ∹Ċ" or ∹ℐ° (pâtâh or pâshiu)	Southern - ∨Ċ" or ∨ċ (petâh or peshû)
1. <b>〈Ċ" ◁° ◁°⊃∩°</b> ҳ ( <b>pâtâh</b> an ashtutin.)	1. <b>VĊ"</b> 🗠 Чづハ ( <b>petâh</b> an ashtûtin.)
2. <b>&lt;ఄ♪°</b> < ⁴ < ¹\∩ ¹ <sub>×</sub> ( <b>pâshiu</b> an astis.)	2. Vỏ ◁° ◁¹∩¹ҳ (peshû an astis.)

# 3.4 Build a shelter!

Vocabulary							
Northern			Southern				
Corresponds with రాంచం [NI] or రించం ఉండి [NA]			Corresponds with	h ·ḋ ॑ [NA] or ·Ϥ<'° [NI</th <th>]</th>	]		
٩٨".ja-٢°	apihkwâniyiu	NI	⊲₁ڼ⊳₽L٩	aschîukamikw	NI		
<b>√√</b> √√	apishuyiu	NI	م.ر.۹ <sub></sub>	ashtâhkun	NA		
√اہاکہ	aschiyiu	NI	Ľ"ṗ	mâhkî	NI		
ᡥᡳᢕᢅ᠙ᡨᢣᢀ	chîstâskwâniyiu	NI	LONĠŒĠſď	matutisânikamikw	NI		
["b>°	mâhkiyiu	NI	<b>└しく</b> !.<	mîchiwâhp	NI		
Ļ٦٢	mîtus	NA	ĽŸU9₽Ľ٩	misâhtikukamikw	NI		
ĊΩ"\\ 2°	mîchiwâhpiyiu	NI	L∾Uq	mishtikw	NA		
L;"U9bL95°	misâhtikukimikuyiu	NI	L∾U9PLa	mishtikukamikw	NI		
L~U9bL95₀	mishtikukimikuyiu	NI	シィしずDPL٩	pûschinâukamikw	NI		
C")60-40	mihtukâniyiu	NI	৾৴৸৽৽	pûschinâu	NA		

URL: <a href="https://lessons.eastcree.atlas-ling.ca">https://lessons.eastcree.atlas-ling.ca</a>

LDU7¢L&bL95。	mitutisânâchinikimikuyiu	NI	ふ>"ン・ぐ。	shâpuhtuwân	NI
σΛb"N°	nipikâhtikw	NA	స"రా౧ఄ⊳ర్రి	shâhnitîukamikw	NI
>,८çD6L9 <b>&gt;</b> 。	pûschinâukimikuyiu	NI	₽∾٩७२"∪٩	ushkuiyahtikw	NA
>ነቦ <b>ċ</b> ∘	pûschinâu	NA	⊳∩À	utipî	NA
<i>∽&gt;</i> "∩·⟨j。-⟩°	shâpuhtiwâniyiu	NI	·Þ"ŸP"	wâskâhîkan	NI
<b>∿</b> Ç9 <i>₀</i>	shihtâhkun	NA			
.∇~٩∇	wishkui	NA			
>>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	utuspîyâhtikuyiu	NI			
ΔΠΆ	witipî	NA			
·quebe	wâchinâkin	NA			
·⟨d'\b"\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	wâskâhîkiniyiu	NI			

# 3.5 σ"ິ Get dressed! (Northern Dialect Only)

		Vocab	oulary		
Northern			Southern		
⊳βΦĻ <sub>Γ</sub>	ukânichîm	NI	₽Ϋ″∪♡∀₽Ċċσ″	upîhtiwipiyichîsânh	NI
$\triangleright$ L $^{\prime}$ L $^{\prime}$ C	umischisin	NI	⊳U~JU°	uchishtutin	NA
₽╛┦┧┾╼┸╻┖┺╗	umûsuyânischisinh	NI	DU9<	utikuhp	NI
₽ןקף•קטן"	umûsiyânistis-h	NA	⊳ċ∧∽βρͼιι	utâpishkâkinh	NI
⊳σ<̈⊳Λ≻Γ̈́Կ"	unipâupiyichîs-h	NA	<b>♪</b> じいふくひゝしてゃ"	uchâchishâpâwischisinh	NA
⊳σ<⊳ <sup>'</sup> γ°	unipâuyân	NI	ÞĊ <sup>५</sup> "	utâs-h	NI
⊳√∪ÿè°	upichiwiyân	NI	⊳∩Կℴℿ	utisch-h	NI
⊳∨ЬĻЧr∥	upiyichîsimh	NA	>U5,U5e <sub></sub>	utiyischisinh	NA
⊳<∪٩∪r	upâtikutim	NI	ᢀ᠒ᢗ᠉ᠣᡕ᠕ᢣᡆ	uwâpushuyânishtutin	NI
⊳√·j∿be <sub>□</sub>	upiywâshikinh	NI	▷・◁>∿┆००ぱ<	uwâpushuyânikuhp	NI
>√>€¹\\\^@"	upipunischisinh	NI	₽∙₫>∾₹₽₽₽₽	uwâpushuyânipiyichîs-h	NA
$\triangleright \land > \sigma \land \vdash \dot{\cap} \lor$	upipunipiyichîs-h	NA			
ΡΛ'''∩∆ΛΓΔ;ċ°	upîhtiwipichiwiyânân	NA			

#### 4. Grammar

**Objective:** Master grammatical concepts.

These activities are designed to accompany advanced literacy courses where grammatical concepts are presented.

#### A. Nouns and verbs

#### 4.1 Which is a verb or a noun?

Objective: Learn what is a noun  $\dot{\Delta}$   $\mathcal{O}$  σ" $\dot{\mathbf{b}}$   $\dot{\mathbf{C}}$   $\dot{\mathbf{C}}$   $\dot{\mathbf{C}}$   $\dot{\mathbf{C}}$   $\dot{\mathbf{C}}$  or a verb  $\dot{\mathbf{C}}$   $\dot{\mathbf{C$ 

All words (nouns and verbs) are presented in their dictionary form, for example verbs are in the 3<sup>rd</sup> person singular proximate independent neutral.

	Vocabulary							
Northern			Southern					
$\triangleleft \cup_{\Gamma}$	atim	N	⊲∩r	atim	N			
<b>⊲</b> .⊲j∿∾	awâshish	N	4.4.∞	awâsh	N			
ر <i>ې</i> 55°	chishâyiyiu	N	L√Ÿ≻Ą	chisheîyiyû	N			
L∾5~.p~	chishâyishkwâsh	N	L√∇~·d~	chisheishkwesh	N			
Δ~.j•\~	ishkwâshish	N	Δ~·d~	ishkwesh	N			
Δ <sup>ζ</sup> ·b°	iskwâu	N	Δ4.9°	iskweu	N			
دَ<√∽	nâpâshish	N	ė√∽	nâpesh	N			
ف<`°	nâpâu	N	ċ٧°	nâpeu	N			
·>.ċ	pûshî	N	シヴ	pûshî	N			
$\triangleleft \land \circ$	apiu	V	⋖ं>	apû	V			
√2/2°	ayimiu	V	45]	ayimû	V			
ĹĊ	mâtû	V	ĹĎ	mâtû	V			
Ļ٧٠	mîchisû	V	ĻĿŸ	mîchisû	V			
÷۲°	nîmiu	V	÷ј	nîmû	V			
σPj	nikimû	V	<del>-</del>	nikamû	V			
σĊ°	nipâu	V	σ<̈́°	nipâu	V			
<"∧°	pâhpiu	V	<">	pâhpû	V			
<Ċ°	pâtâu	V	VĊ°	petâu	V			
Ċ·ぐ°	tâpwâu	V	U√°	tepweu	V			

# 4.2 Family and actions - nouns & verbs

	Vocabulary							
Northern			Southern					
⊳"dLŗ₀	uhkumimâu	N	⊳"dſĽ°	uhkumimâu	N			
Þ"dГґĽ°	uhkumisimâu	N	D"dГr'L°	uhkumisimâu	N			
⊳"Ċ∆L°	uhtâwîmâu	N	⊳"Ċ∆Ű	uhtâwîmâu	N			
⊳b∆L°	ukâwîmâu	N	ÞĠĠŰ	ukâwîmâu	N			
⊳r≀Ľ°	umisimâu	N	⊳ГчĽ°	umisimâu	N			
⊳J∾Lŗ₀	umushumimâu	N	⊳J∽Lŗ₀	umushumimâu	N			
ÞΫ́ΓŰ	ushîmimâu	N	⊳ÿĽĻ°	ushîmimâu	N			
⊳ŗ∟∿ŗ₀	ushîmishimâu	N	⊳ᢊ᠘ſŗ	ushîmishimâu	N			
⊳'nĊ≀Ű	ustâsimâu	N	⊳¹U≀Ľ°	ustesimâu	N			
⊳JYYĊ⊲	utusisimâu	N	₽ĊYĽ°	utûsimâu	N			
<u> </u>	âyiyimû	V	ĹΔĎ	âimû	V			
.p~9∥U°	kwâshkuhtiu	V	Ç"P~9.	kwâshkuhtû	V			
ĹĹΛċ	mâmâpisû	V	٦٦٨ڬ	memepisû	V			
Ĺ∩∙ď°	mâtiwâu	V	JC∙∆∘	metaweu	V			
$\bigvee$ " $\bigcup$ $\sim$	pihchishin	V	<"C\0°	pahchishin	V			
Ċ"Ġſſ°	pâhkâshin	V	<b.\f< td=""><td>pakâshimû</td><td>V</td></b.\f<>	pakâshimû	V			
$VLV_{\sigma}$	pimishin	V	$VLV_{\sigma}$	pimishin	V			
<b>∧</b> J"Ċ°	pimuhtâu	V	∧J"U°	pimuhteu	V			
<i>Υ</i> ˙Ρ"̈Þ	shîkihû	V	<b>у</b> Р.,⊳	shîkahû	V			
<i>∴∾</i> ∇".j.₀	shûshuwihkwâu	V	٠٠٠"٩°	shûshûhkweu	V			

# 4.3 Things and Actions - Nouns and Verbs

	Vocabulary							
Northern			Southern					
	akuhp	N		akuhp	N			
Ļ~U"Ÿbσ	chîshtihîkin	N	_0P<	chikahamâpuwin	N			
Ր"P"⊲Ĺ>°	chihkihâmâpun	N	∇Γ"·β~	emihkwân	N			
√  ۱	âmihkwân	N	٩٠Ļ	kânchî	N			
ϸϭ·ϳ	kânichî	N	ריטל₅	maschisin	N			
Ÿ<\\\>\\	sîpâchipiyiwikuhp	N	Γσ".66°	minihkwâkan	N			
L <sub>2</sub> レ <sub>2</sub> -	mischisin	N	j"dĽ°	mûhkumân	N			
Гσ"•bР°	minihkwâkin	N	σ <b°< td=""><td>nipâkan</td><td>N</td></b°<>	nipâkan	N			
j"9Ľ°	mûhkumân	N	σ٧Δ٩	nipewin	N			
ᡒᢅ	nipâkin	N	<>\rightarrow \cdot \rightarrow \cdot \rightarro	payichîs	N			
ᡔ᠍᠌ᠵ᠘ᢅ	nipâwin	N	۵۹۶۵ م	wiyâkan	N			
$V \rightarrow \dot{U}$	piyichîs	N	117/ب <sup>م</sup>	memepisûn	N			
۳۶۶۹	wiyâkin	N	JC∙∢p₀	metawâkan	N			

ĹĹ⋀┦ª	mâmâpisun	N	<b>ৢ</b> ₽ <b>₽</b> ₽	shîkahûn	N
Ĺ∩∙⊴Þ°	mâtiwâkin	N	<u>۱</u> ۰, ۱	shîshîkun	N
<b>∱</b> ρ"⊳°	shîkihun	N	·⟨j,₽ <sub>"</sub> Ÿ₽ <sub>°</sub>	wâskahîkan	N
<u>۱</u> ۲۰۲۰	shîshîkun	N	D√"Ċ°	ushihtâu	V
·ÞIPIP	wâskâhîkin	N	4>L"Ç₀	ayimihtâu	V
⊳√"¢°	ushihtâu	V	Γσ"·9°	minihkweu	V
⊲≻L"Ç₀	ayimihtâu	V	L.L.C.o.	chihchipahtâu	V
Го".6°	minihkwâu	V	-β~.9<Δ"⊳	kwâshkwepaihû	V
ſLVÇ.	chihchipihtâu	V	√ <l<4< td=""><td>pipâmipayû</td><td>V</td></l<4<>	pipâmipayû	V
.p~.p∨5p	kwâshkwâpiyihû	V	V<,L,9<4	pipâmiskupayû	V
∧<'Γ∧ <b>&gt;</b> °	pipâmipiyiu	V	%PL.∆₀	shâkachiweu	V
V <l,9v5₀< td=""><td>pipâmiskupiyiu</td><td>V</td><td></td><td></td><td></td></l,9v5₀<>	pipâmiskupiyiu	V			
%Pr.√j°	shâkichiwâu	V			

#### B. Inflection

# 4.4 Lo, Loba, Loba chaakw, chaakwaan, chaakwaayiu (NORTH)

ገժ, ገ-են chekw, chekwaan, chekwaayuu (SOUTH)

**Objective:** Master particles and pronoun forms.

This activity, displayed in syllabics, requires good reading comprehension and grammatical awareness.

Examples						
Northern	Southern					
Ĺ·þ° ◁° ·◁≻∾Ű <sub>×</sub>	<b>ᠬᡠ</b> ╸◁╸᠂◁ਂ>∾ <sup>¬</sup> °×					
~~<⇒· ض.ض. ⊶.	<b>J.₽</b> 4. ∽.₽9,c∢ >~×					
ja qiqir vqiviica DraULto*	J¢ ⊲∴∆, ∴∆∿"Çç ⊳,٩∪L4,*					
<b>châkwân</b> an wâpushumâu.	chekwân an wâpushumeu.					
châkwâyiu nâkwâsut wâpush.	chekwâyû nekwâsût wâpush.					
<b>châkw</b> âwâsîs wâshihtât uskutimiyiu.	<b>chekw</b> awesîs weshihtât uskutimiyû.					

# 5. Vocabulary

**Objective:** Test vocabulary knowledge and reading ability (no sound).

# 5.1 Antonyms - Action verbs

Vocabulary								
Northern		Southern						
☆ : 広ゥ。  ☆ : ☆ : ☆ : ☆ : ☆ : ☆ : ☆ : ☆ : ☆ : ☆	tikushin : mâchîu chîshpû : shîutâu chihchipihtâu : pimuhtâu chîmuchiyimiu : chishwâwâu nîpû : apiu pâhpiu : mâtû pisîu : chiyipîu nipâu : winishkâu wiyiwîu : pîhchichâu	q,<,,>,       ,         q,<,,       ;         q,<,       ;         q,       ;         q, <th>takushin : mâchîu chîshpû : shîuteu chihchipahtâu : pimuhteu chîmûchiyimû : âshihkweu nîpû : apû pâhpû : mâtû pisîu : chîpîu nipâu : wanishkâu wîwîu : pîhcheu kuspâhtuwîu : nîshâhtuwîu</th>	takushin : mâchîu chîshpû : shîuteu chihchipahtâu : pimuhteu chîmûchiyimû : âshihkweu nîpû : apû pâhpû : mâtû pisîu : chîpîu nipâu : wanishkâu wîwîu : pîhcheu kuspâhtuwîu : nîshâhtuwîu					

# 5.2 Antonyms – Verbs that end with °.

Vocabulary								
Northern		Southern						
<ul><li>∴ β-ς</li><li>∴ β-ς</li><li>∴ Δ-γ</li><li>∴ Δ-γ&lt;</li></ul>	tipiskâu : chîshikâu wâpâu : wiyipâu yûskâu : mishkiwâu shâkiwâu : iyikishkâu	<ul><li>○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○</li></ul>	tipiskâu : chîshikâu wâpâu : wîpâu yûskâu : mashkuwâu shâkuwâu : iyakashkâu					
<ul><li>'\rangle \cdot \cdot</li></ul>	sâkischinâu : pishishikwâu ukâshtâyâu : wâsâyâu tihkwâu : chinwâu tihkâu : chishitâu îshpâu : tipihtâu	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	sâkaschineu : pishikwâu ukâshteyâu : wâseyâu tahkwâu : chinwâu tahkâu : chishiteu ishpâu : tapihtâu					
·⊲p。: 97/.p。	wâkâu : kuiskwâu	·⊲p。: 97/·p。	wâkâu : kuiskwâu					

#### 6. Reading texts

**Objective:** Practice reading texts with "fill in the blank" activities, dictations, etc.

These activities are intended to complement Cree literacy courses.

#### 6.1 Story: Is anyone here?

Malaya Audlakiak (1988)  $\dot{a} V^{\omega} \dot{b} \dot{a} \sigma C \cdot \dot{d} < \dot{L}^{c} < d \cdot \nabla \dot{c}^{"} ? 7 C \cdot \nabla \dot{L}^{c} \times Is anyone here?$  Annie Whiskeychan (Ed. Southern dialect). Cree School Board.

Malaya Audlakiak (1988) さぐっ b さっつ・ベント くっぱい し につ・ベニュー Is anyone here? Luci Salt (Ed. Northern dialect). Cree School Board.

#### 6.2 Story: Mary gets scared

Pashagumskum, Marianne (1998)  $\triangle \circ \cdot 9 \circ \dot{b} \quad d \circ \dot{C} \cap c \quad \nabla \quad b \sigma \cdot \nabla \wedge \dot{L} \triangleright \dot{c}_{\kappa} \quad Mary gets scared.$  Ruth Salt, Daisy Moar Emily Cooper, Anna Blacksmith, Patricia Diamond (Eds. Southern dialect). Cree School Board.

Pashagumskum, Marianne (1998) Δットゥット はっている トロース・トロース・Mary gets scared. Linda Visitor, Luci Salt (Eds. Northern dialect). Cree School Board.

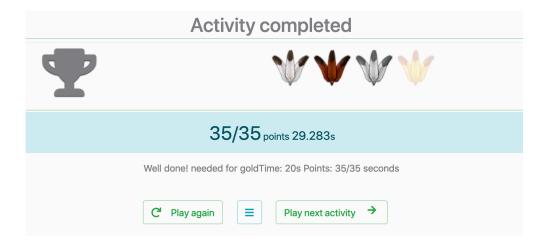
# V. Software and types of activities

#### **Evaluation**

Performance is evaluated based on precision and/or speed.

#### **Scoring**

The results are displayed as follows:



The percentage reflects the number of correct answers and the timer indicates how quickly the student was able to complete the activity. Both accuracy and speed determine the student's overall result.

For example, to reach the gold level, the student must get 100% accuracy and complete the activity within a predetermined amount of time (for example, in 25 seconds or less).

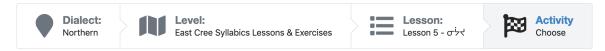
For certain activities, the timer is the only factor considered because 100% accuracy may not be possible (e.g., in the Word Memory Matching activity).

#### **User Interaction**

For accessibility reasons, many of the activities must be completed using "click and click" rather than "drag and drop".

#### **Activities Types**

The software currently includes 12 types of activities and close to 54 sub-types, according to the settings of the parameters. For example, for *Recognizing New Words* activities we (content providers) can choose to expose the learner only to words in the current lesson, or to words in preceding lessons as well. We can also choose the maximum number of elements to include in an activity, and control or adjust audio specifications.



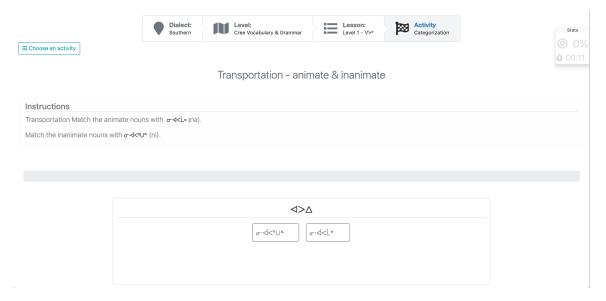
Here are the 12 types that appear on the right-hand side of the navigation bar.

- Categorization
- Choose
- Matching
- Dictation
- Drawing
- Memory Game
- Missing syllabic(s)
- Word search
- Crossword
- Spelling
- Word pairs
- Fill in the blanks

Below, we illustrate each type with some actual examples.

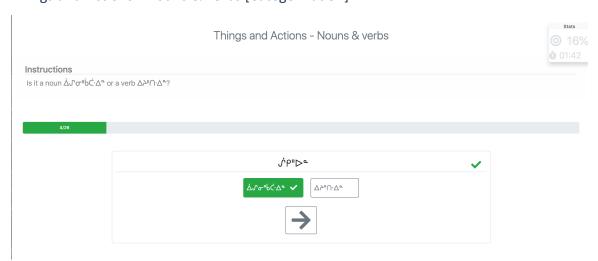
# **Available Activities Types with examples**

#### Transportation - Animate & Inanimate [Categorization]



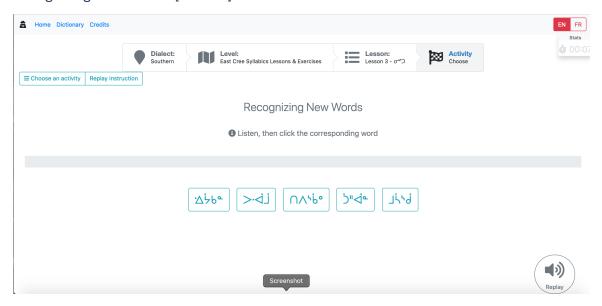
The goal of this activity is to select the grammatical class corresponding to the word displayed above by clicking on the correct box.

#### Things and Actions - Nouns & verbs [Categorization]



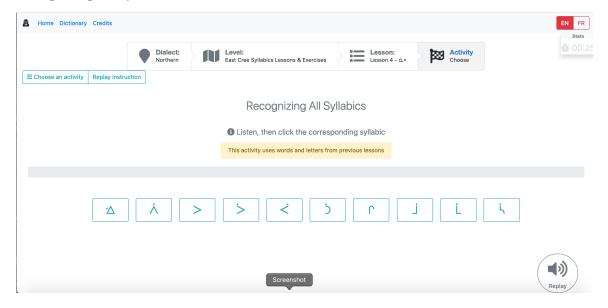
The goal of this activity is to select the grammatical class corresponding to the word displayed above by clicking on the correct box.

#### Recognizing New Words [Choose]



In this activity, students learn to match audio recordings with written words. At any time, a student can click "Replay" to hear the word pronounced again.

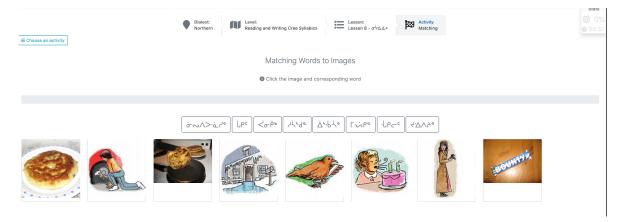
#### Recognizing All Syllabics [Choose]



In this activity, the student listens to the word being pronounced and then clicks on the box containing the corresponding word. At any time, the student can click on "Replay" to hear the word again.

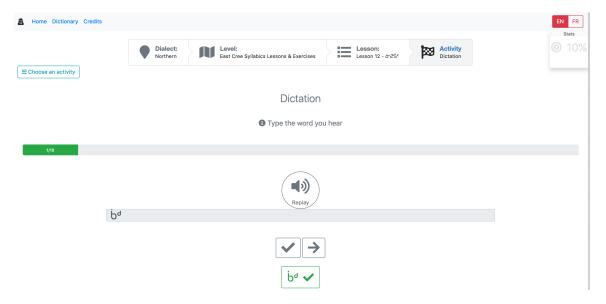
This is more challenging than *Recognizing New Syllabics*, because it includes words from previous lessons.

#### Matching Words to Images [Matching]



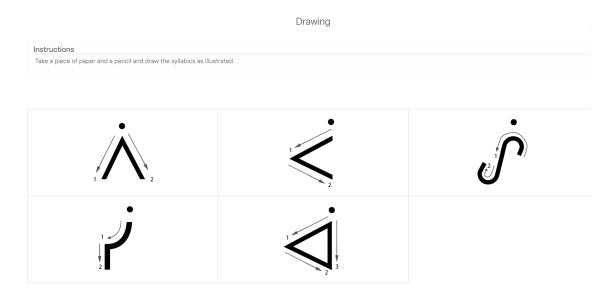
The objective of this activity is to match words to their corresponding images by clicking on them. The student can either click the word and then the image, or vice versa.

#### Dictation [Dictation]



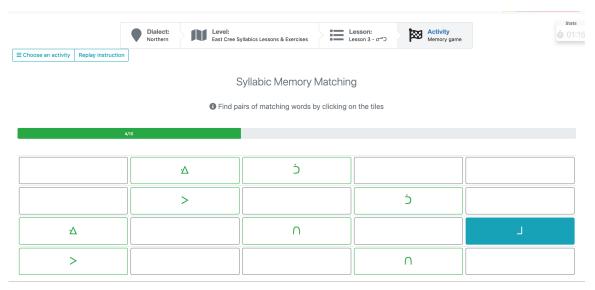
After listening to a recording of a word, the student types the word into the box and then clicks the check mark to verify the answer, at which point an arrow appears. If the word is spelled correctly, the timer is paused; if not, the timer continues. To move on to the next word, the student clicks the arrow. At any time, the student can click "Replay" to hear the word again.

# Drawing [Drawing syllabics]



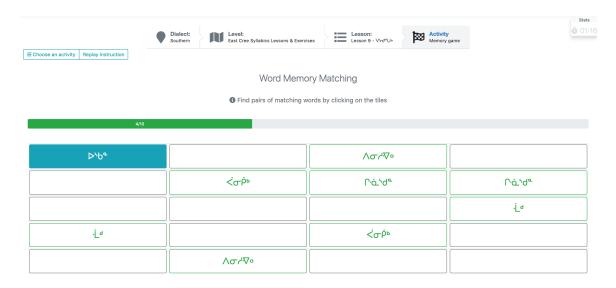
The objective of this activity is to learn how to write syllabics. The student is asked to take a piece of paper and a pencil and draw the syllabics as illustrated.

#### Syllabic Memory Matching [Memory game]



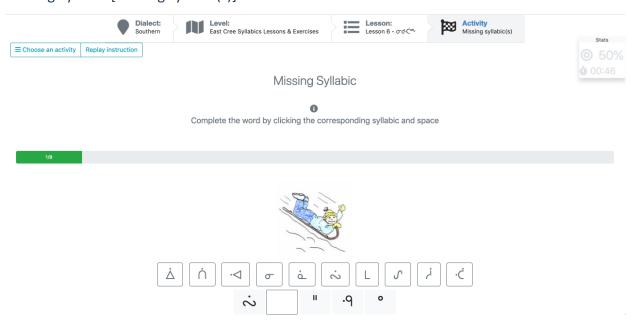
In this memory game, a player clicks on blank tiles to uncover syllabics and find 10 pairs of matching syllabics.

# Word Memory Matching [Memory game]



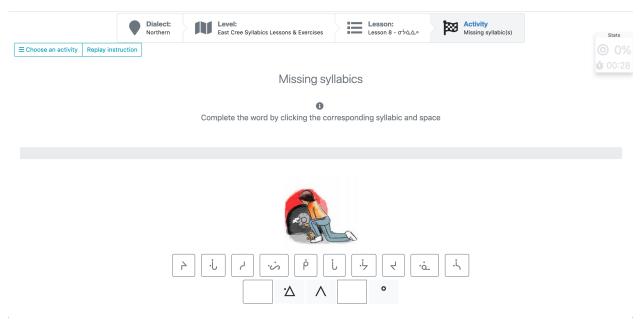
In this memory game, a player clicks on blank tiles to uncover words and find 10 pairs of matching words.

#### Missing Syllabic [Missing syllabic(s)]



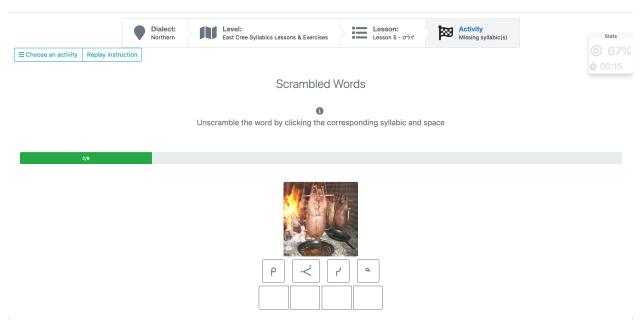
The objective of this type of activity is to complete the word by clicking on the missing syllabic and then on the corresponding empty box (or vice versa).

#### Missing Syllabics [Missing syllabic(s)]



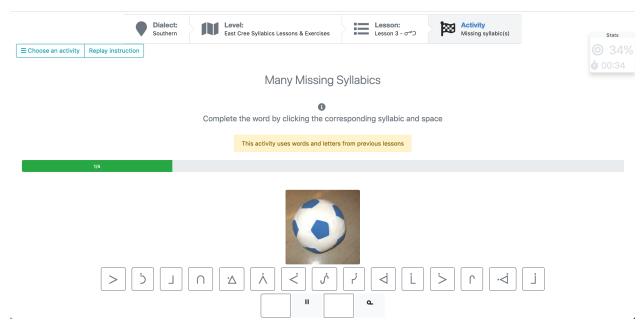
This type of activity is a variant of the preceding one (Missing Syllabic). The student selects a syllabic by clicking it and then clicks the corresponding empty box (or vice versa) to complete the word.

#### Scrambled Words [Missing syllabic(s)]



In this activity, the objective is to unscramble the word represented by the image above by placing each syllabic in the correct order. The student clicks a syllabic and then clicks the corresponding empty box. This process is repeated until the student completes the word correctly.

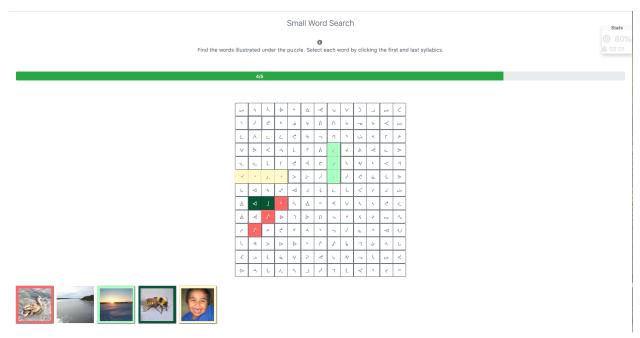
#### Many Missing Syllabics [Missing syllabic(s)]



In this type of activity, the student clicks a syllabic and then clicks the corresponding empty box (or vice versa). This process is repeated until the student has correctly completed the word.

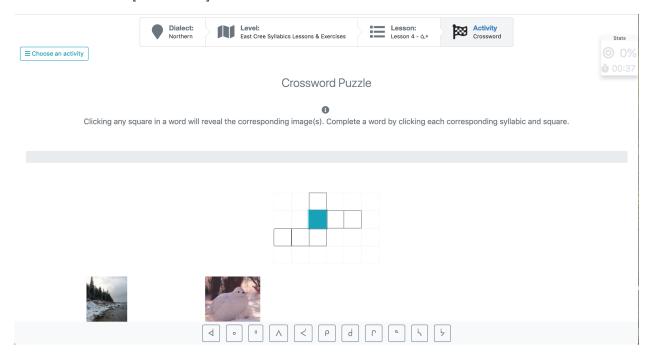
This is more challenging than other missing games such as *Missing Syllabics*, because it includes syllabics from previous lessons.

# Word Search (small) [Word search]



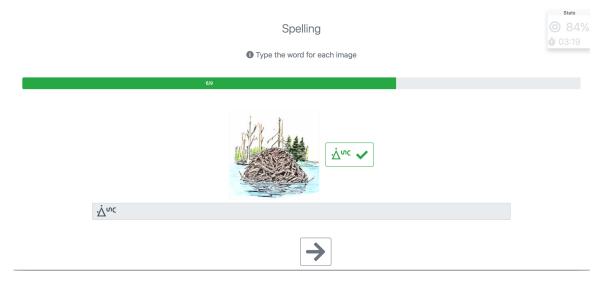
The objective of this type of activity is to find all the words pictured under the word search. The word can be written from top to bottom, left to right, or diagonally. To select a word, the student clicks the first syllabic of the word and then the final syllabic. If correct, the word will appear highlighted in a particular colour. If incorrect, the word will flash red and the student tries again until all words are found.

#### Crossword Puzzle [Crossword]



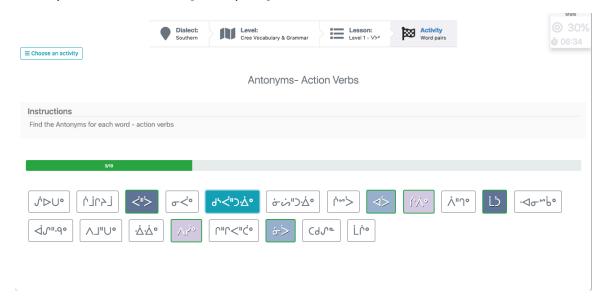
The objective of this type of activity is to complete the puzzle by filling in the correct words. The student clicks on an empty box in the crossword to reveal the corresponding image (or images, in the case of two intersecting words). Double-clicking on any square will play the associated sound file. The student continues by clicking on the syllabics and intended blank squares in order to spell each word until all boxes have been filled.

# Spelling [Spelling]



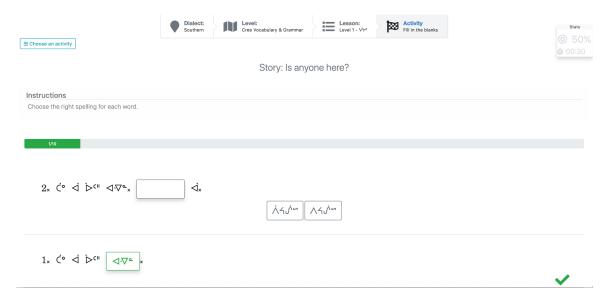
In this type of activity, the student types the word represented by the image. If the word is spelled correctly, the timer is paused; if not, the timer continues. To move on to the next word, the student clicks the arrow.

#### Antonyms – Actions Verbs [Word pairs]



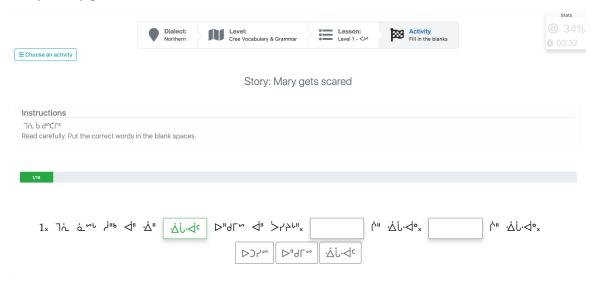
The objective of this type of activity is to associate pairs of words by clicking on the correct boxes.

#### Story: Is anyone here? [Fill in the blanks]



The objective of this type of activity is to listen to a sound file and then complete the sentence by clicking on the correctly spelled word and then on the corresponding empty box (or vice versa).

#### Story: Mary gets scared [Fill in the blanks]

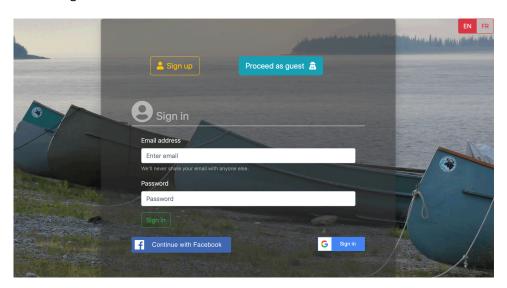


In this type of activity, the student completes the sentences in a text one sentence at a time, by choosing the appropriate words from a set of options. In some cases, the options will only include words necessary to complete the sentence. In others, there will be additional words presented, which do not work in the sentence. To complete the sentence, the student clicks a word and then clicks the corresponding blank box in the sentence (or vice versa).

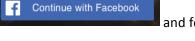
# VI. Logging in to track scores

Learners are presented with two options when visiting the website: 1) Proceed as a guest; or 2) Sign up/Sign in.

To log in, users have the choice of: 1) creating an account, 2) using their Facebook account; or 3) using their Google account.

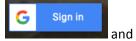


To log in with Facebook, click



and follow the prompts.

To log in with Gmail, click

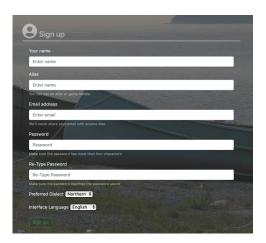


and follow the prompts.

To create an account, click

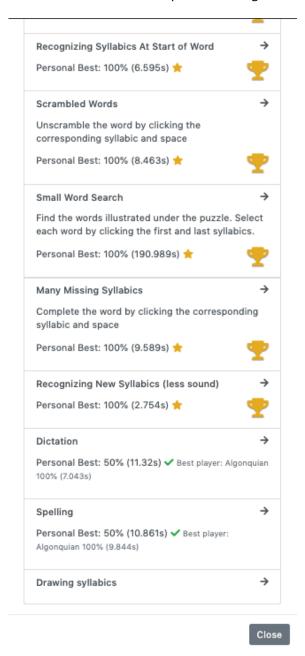


and then fill out the following form:



Learners who choose to log in each time they use the site will be able to track which activities they have completed, including their personal best scores, and will be able to compare their results to the highest scores achieved for each activity.

A check mark  $\checkmark$  (together with a percentage and time) indicates that an activity has been completed by the learner. A gold star  $\stackrel{*}{\sim}$  means that the learner has achieved 100% and a gold cup  $\stackrel{*}{\sim}$  indicates that the learner has achieved the top score among all users.



# APPENDIX A: Northern and Southern Syllabic Charts – syllabics introduced in lessons

Northern Dialect Syllabic Chart – Eastern James Bay Cree

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٦	٠٦	Γ	<b>†</b> 5	] 3	<b>j</b> 2	L	<u>L</u> 2	· <u>L</u> 7	L 10	
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ρ	٠٠	σ 6	<del>.</del> 5	7 و	ە <sup>5</sup>	٥	<u>6</u>	·. 8	<b>a</b> 9	
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4	.4	8 4	6 <b>六</b>	4 <sub>8</sub>	년 5	<u></u>	4 خ	8 ځ.	7	
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the	thwe	thi	thii	thu	thuu	tha	thaa	thwaa	th	

<sup>\*</sup>The superscript numbers indicate the number of the Lesson for which the syllabic character is introduced.

# Southern Dialect Syllabic Chart – Eastern James Bay Cree

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we		wi	wii	wu	wuu	wa	waa			
V 4	·V 12	<b>∧</b> 4	<b>六</b> 1	> 3	<b>&gt;</b> 2	<	< 1	·< 7	<b>&lt;</b> 9	
ре	pwe	pi	pii	ри	рии	ра	раа	pwaa	р	
U 4	·U 12	$\bigcap$ 3	<b>Ġ</b>	) 8	2	C 11	<b>Ċ</b> 5	·Ç 6	<b>c</b> 9	
te	twe	ti	tii	tu	tuu	ta	taa	twaa	t	
9	.9 12	ρ	<b>ሶ</b> 11	d 7	<b>j</b> 4	b 4	j 8	· <b>b</b> 7	<b>b</b> 9	d 10
ke	kwe	ki	kii	ku	kuu	ka	kaa	kwaa	k	kw
ባ 4	·1	ρ 2	<u>Γ</u> 5	J 12	j 5	b	i	·i 12	U 9	
che	chwe	chi	chii	chu	chuu	cha	chaa	chwaa	ch	
٦	·7 12	L 8	Γ <sup>5</sup>	] 3	j 2	L 6	<u> </u>	· <u>L</u> 11	L 10	
me	mwe	mi	mii	mu	muu	та	maa	mwaa	m	
ъ 8	۰-۰	σ 4	<del>ა</del> 5	8 و	5 ف	٥	<u>å</u> 6	٠ <u>ن</u> 11	<b>a</b> 9	
ne	nwe	ni	nii	nu	nuu	na	naa	nwaa	n	
$\neg$			Ċ	$\neg$	ن :	_	<u>ن</u>	· <u>:</u>	_	
le	lwe	li	lii	lu	luu	la	laa	lwaa	1	
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she	shwe	shi	shii	shu	shuu	sha	shaa	shwaa	sh	
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ye	ywe	yi	yii	yu	yuu	уа	yaa	ywaa	У	
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ve	vwe	Vİ	vii	VU	vuu	va	vaa	vwaa	v, f, ph	
U	.℃	្រ	ń	2	Ċ	C	Ċ	.ċ	C	
the	thwe	thi	thii	thu	thuu	tha	thaa	thwaa	th	

<sup>\*</sup>The superscript numbers indicate the number of the Lesson for which the syllabic character is introduced.