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Dr. Shelley Moore

Nexwlélexm (Bowen Island)

- The Islands Trust Council acknowledges that the lands and waters that encompass the Islands Trust Area have been **home to Indigenous peoples** since **time immemorial** and honours the **rich history, stewardship, and cultural heritage** that embody this place we all call home.
- The Islands Trust Council is committed to establishing and maintaining mutually **respectful relationships** between Indigenous and non-Indigenous peoples. Islands Trust states a **commitment to Reconciliation** with the understanding that this commitment is a **long-term relationship-building and healing process**.
- The Islands Trust Council will strive to **create opportunities for knowledge-sharing** and understanding as people come together to **preserve and protect** the special nature of the islands within the **Salish**





Think about your target class....

What are you **trying?**

What are you **noticing?**

What are you **learning?**

Today!

Inclusive Curriculum Design

Backwards Design Planning

Reducing Barriers

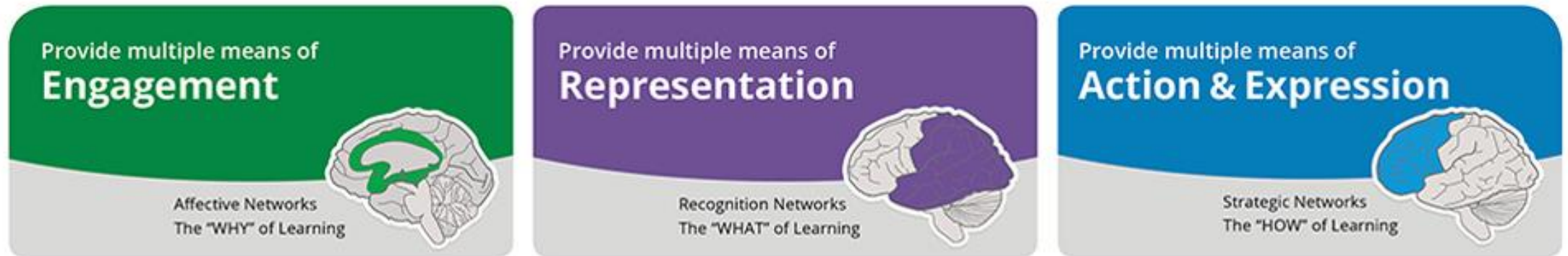




Barriers

Ramp: UDL

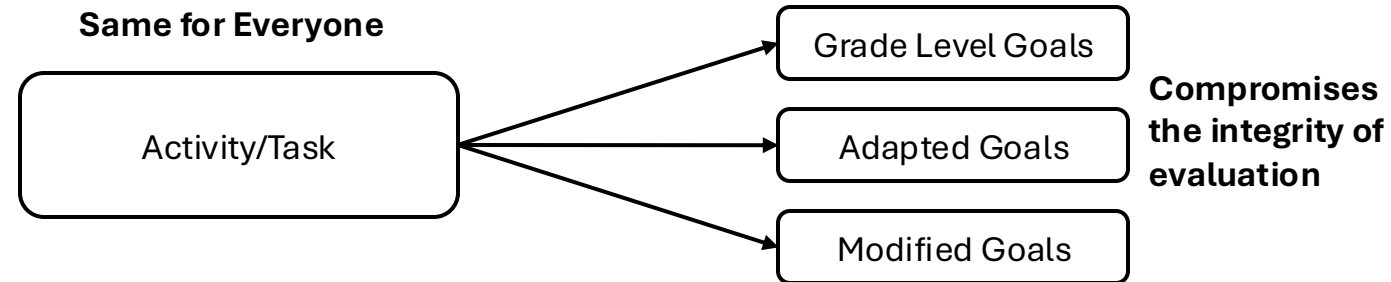
Universal Design for Learning: The Ramp for Learning



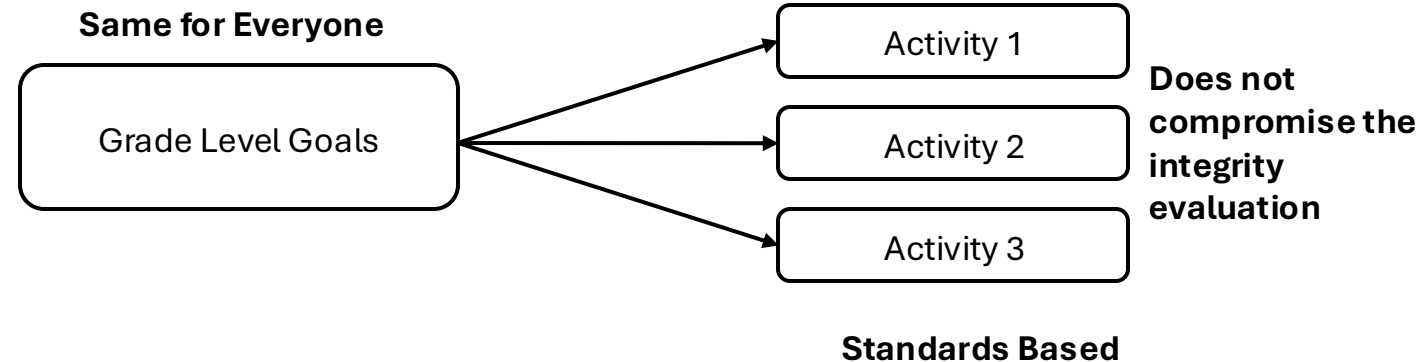
FIRM Goals, FLEXIBLE means

Backwards Design

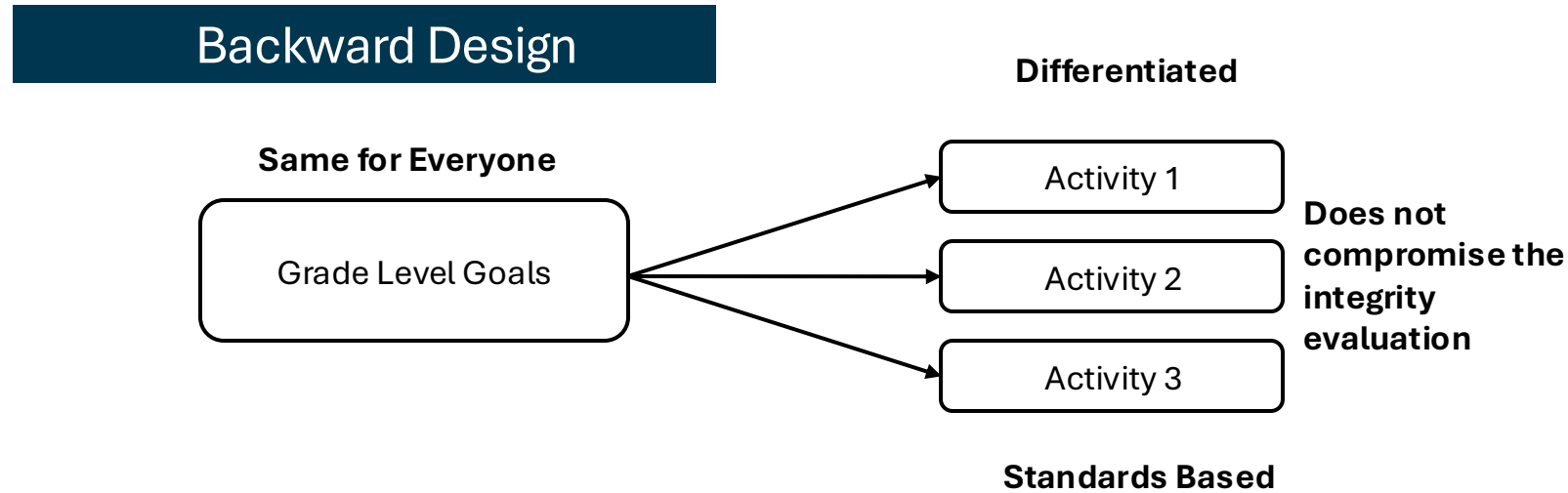
Forward Design



Backward Design



Backwards Design



FIRM Goals, FLEXIBLE means

Backwards Design: What are the GOALS?

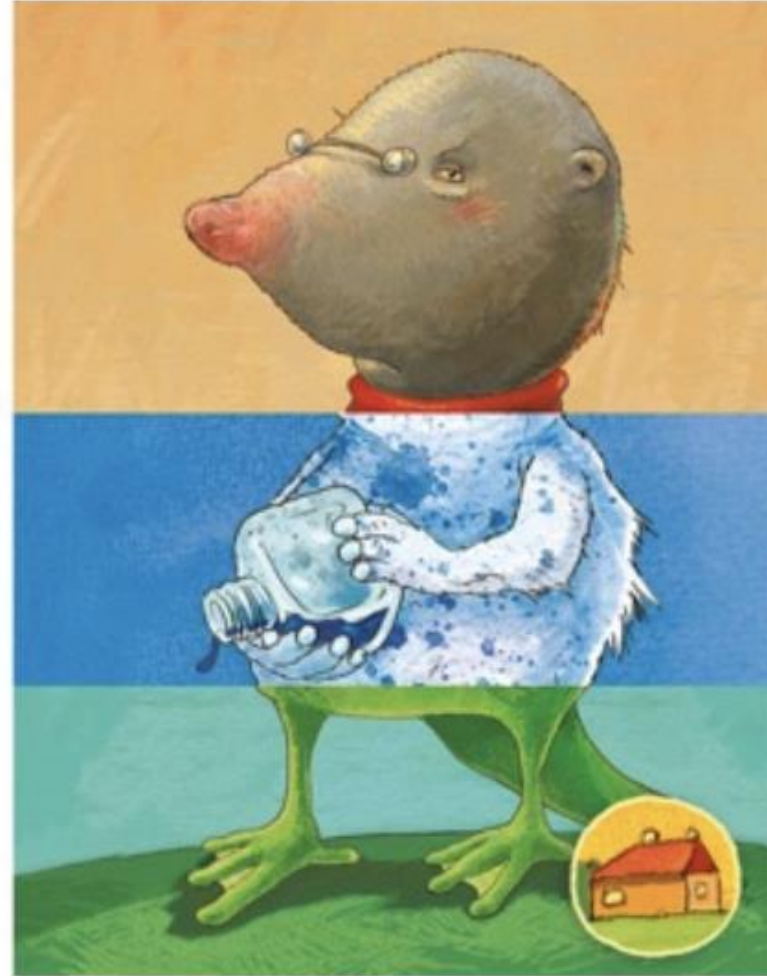
- **Backwards Design**
 - **Big Idea**
 - What do we need to understand?
 - **Content**
 - What do we need to know?
 - **Curricular Competencies**
 - What do we need to do?
 - **Core Competencies**
 - Who do we need to become?

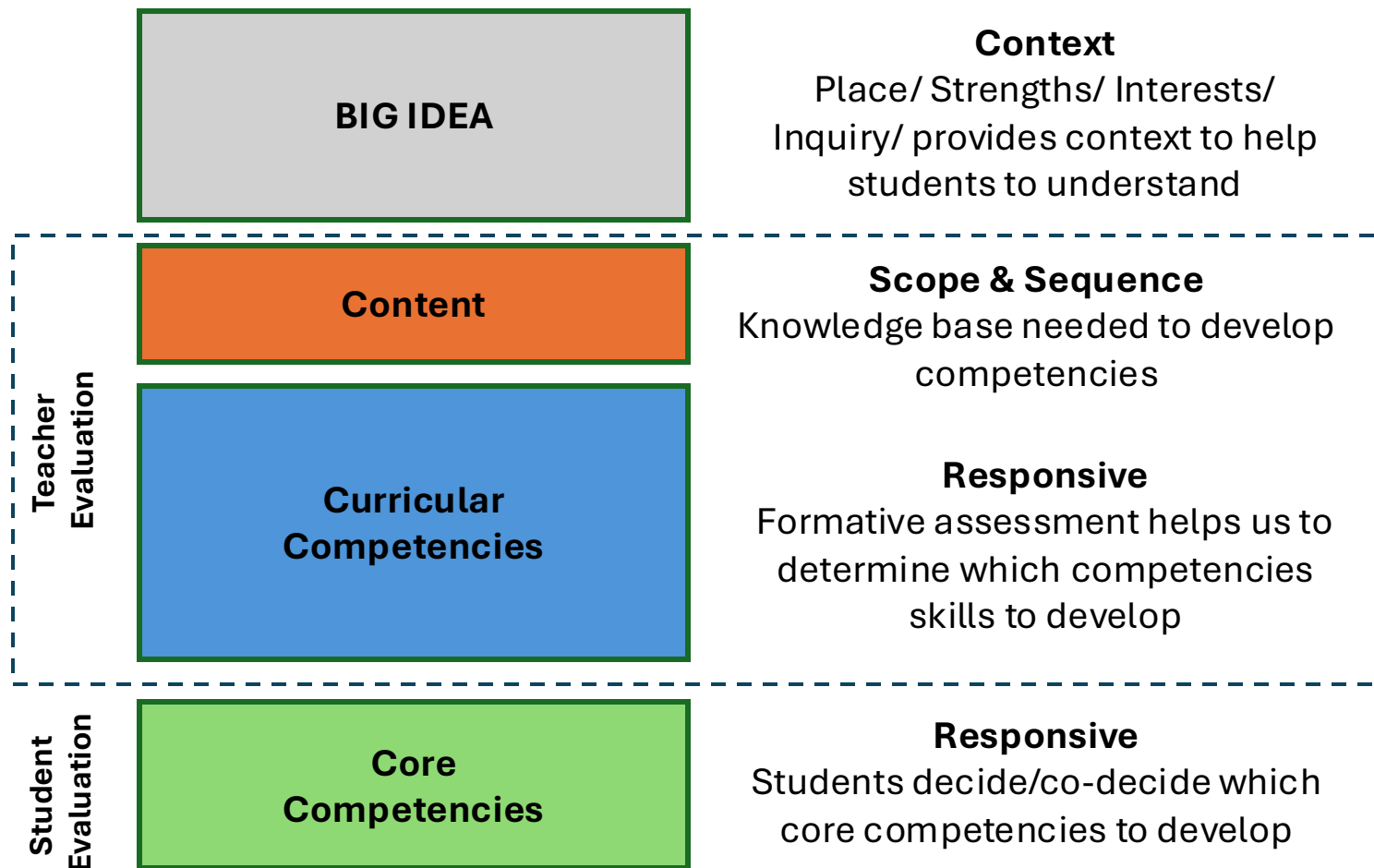
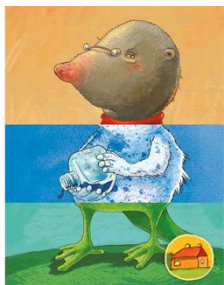
Can curriculum be less linear and more responsive?

Miserable

Two-toed

Lizard





Grade:	Subject Area:	Planning Team:
Big Idea(s): What do I need to Understand?		Unit Guiding Question(s):
Key Vocabulary:		
	Learning Standard	Student Friendly Language
What do students need to know? Content		I know
What do students need to do? Curricular Competencies		I can
What do students need to do? Curricular Competencies		I can
What do students need to do? Curricular Competencies		I can
Who do student need to be? Core Competency Goals	I can become/ I am...	

Where do we start?

- Choose a subject area(s) and assess/reflect on:
 - Areas of **strength**
 - Areas of **stretch**
 - Areas for **more practice**



[illegible]

[illegible]

Class: Ms. P		Subject Area(s): Math 4	Planning Team: Ms. P & Shelley
Big Idea(s):		Unit Guiding Question(s): Why do we need to learn how to add and subtract? Where in our lives do we use addition and subtraction?	
Vocabulary to know and use (content): Add, subtract, mental math, how much? How many?		Vocabulary to know and use (skills & competencies): Strategies, share my thinking, connect, creative thinking, changing, trying something new, solving a problem	
Unit Goals	Curricular Language	Student friendly language	
Content Goal:	addition and subtraction to 10 000	I know how to add and subtract numbers up to 10 000	
Content Goal:	addition and subtraction facts to 20 (developing computational fluency)	I know how to add and subtract up to 20 in my head	
Curricular Competency Goal:	Develop mental math strategies and abilities to make sense of quantities	I can use mental math to understand “how much/how many?”	
Curricular Competency Goal:	Develop and use multiple strategies to engage in problem solving	I can solve problems using different strategies	
Curricular Competency Goal:	Communicate mathematical thinking in many ways	I can share my thinking in many ways	
Curricular Competency Goal:	Connect mathematical concepts to each other and to other areas and personal interests	I can connect what I am learning in math to me and my life	
Core Competency Goal: (Profile 1/2)	Creative Thinking: I get ideas when I play (1) I can get new idea or build on or combine other people’s ideas to create new things within the constraint of a form, a problem or materials (2)	We are creative thinkers because we get new ideas! I get new ideas by: (Students choose): <ul style="list-style-type: none"> • changing what I am doing • trying something new • solving a problem in a new way 	

Area of Stretch



Area For More Practice

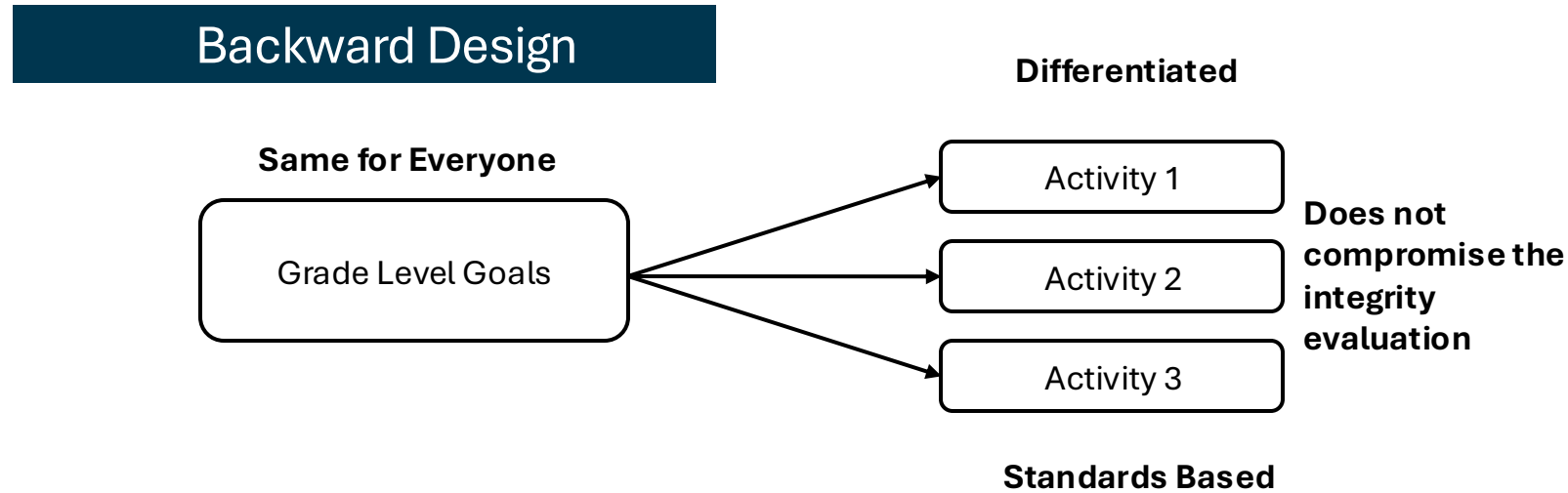


Area of Strength

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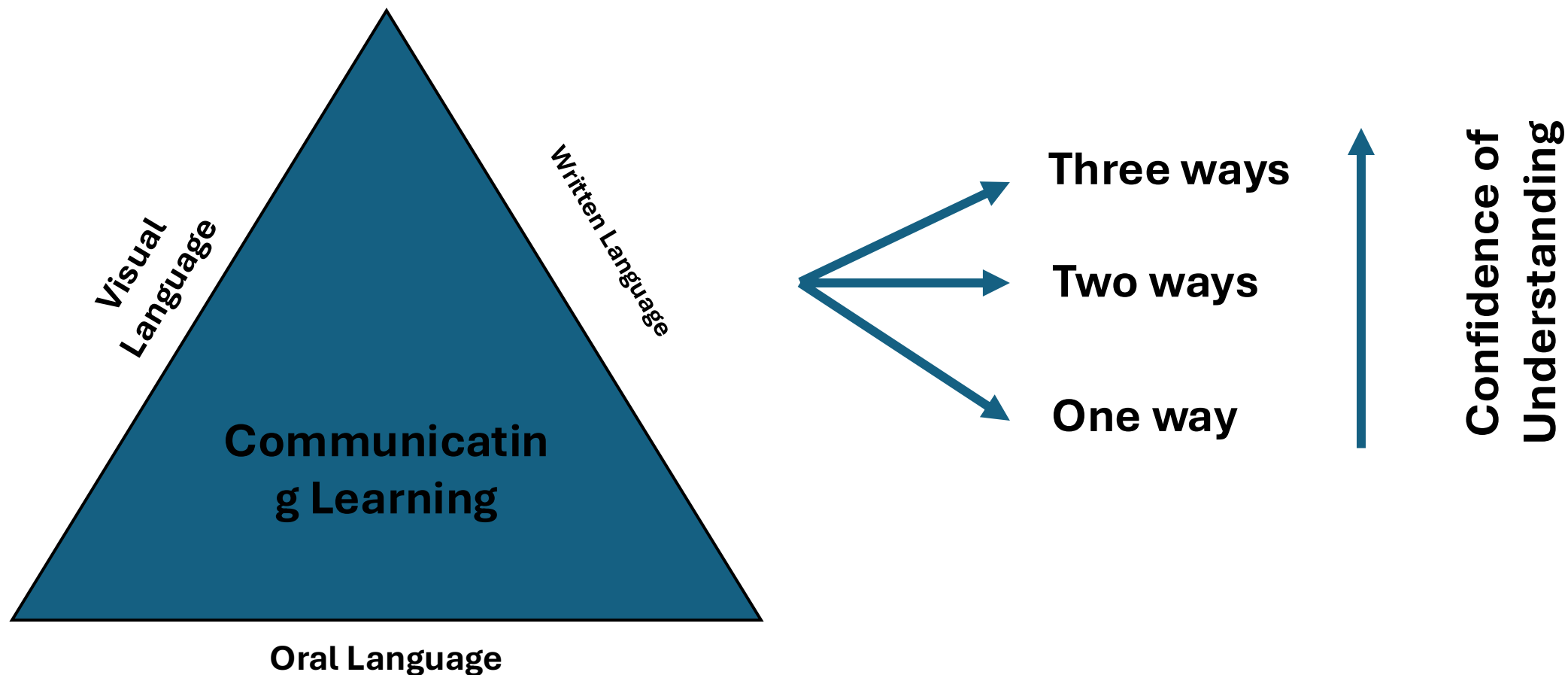
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Backwards Design

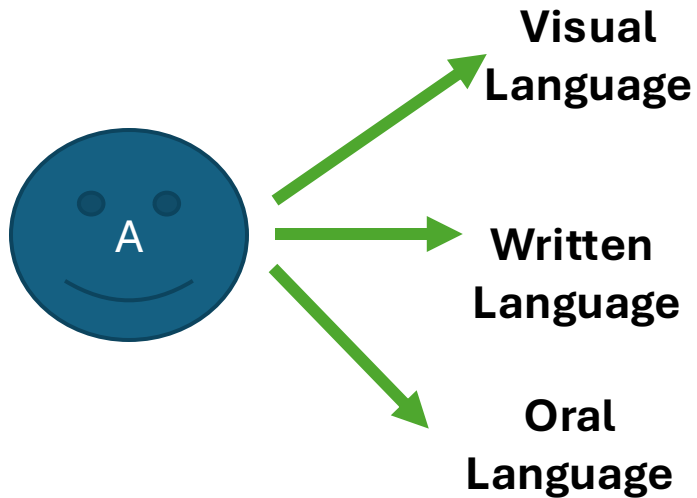


FIRM Goals, FLEXIBLE Means

How do students show what they know?



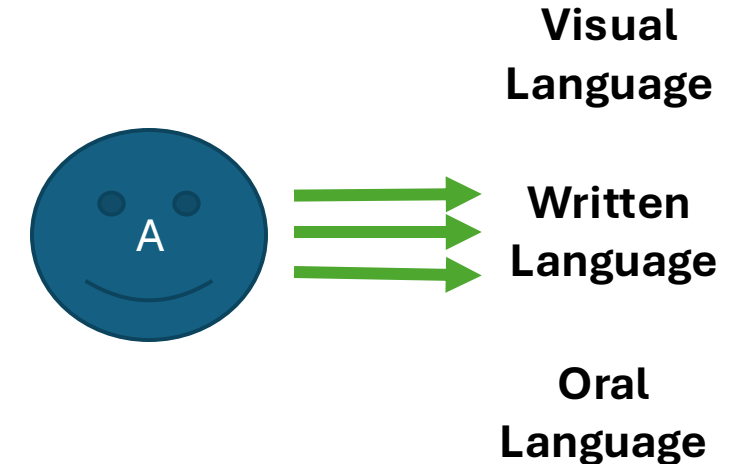
All Languages (in literacy) are Treated Equal!



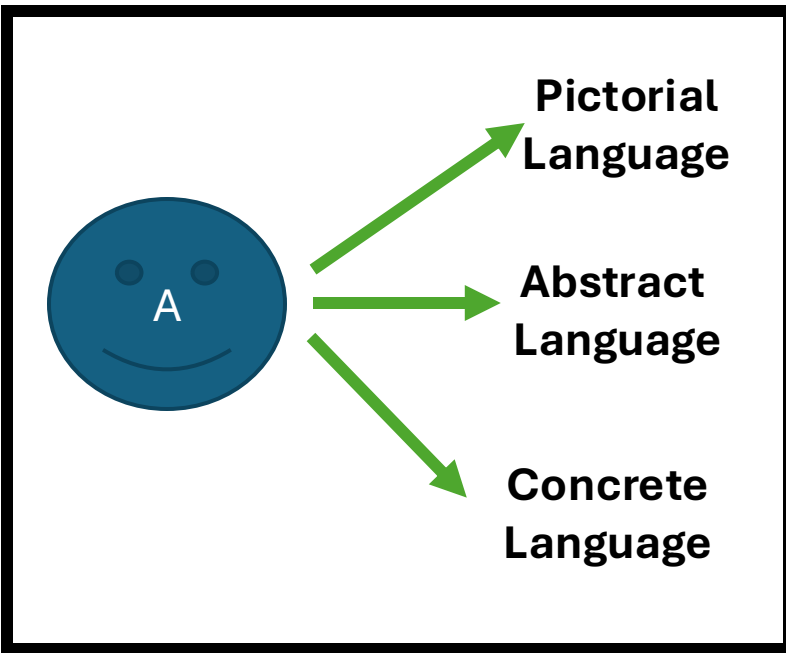
The **MORE WAYS** students can demonstrate learning, the deeper their understanding is

Vs.

The **NUMBER OF TIMES**, a student can show their learning in one way, the more fluent they become



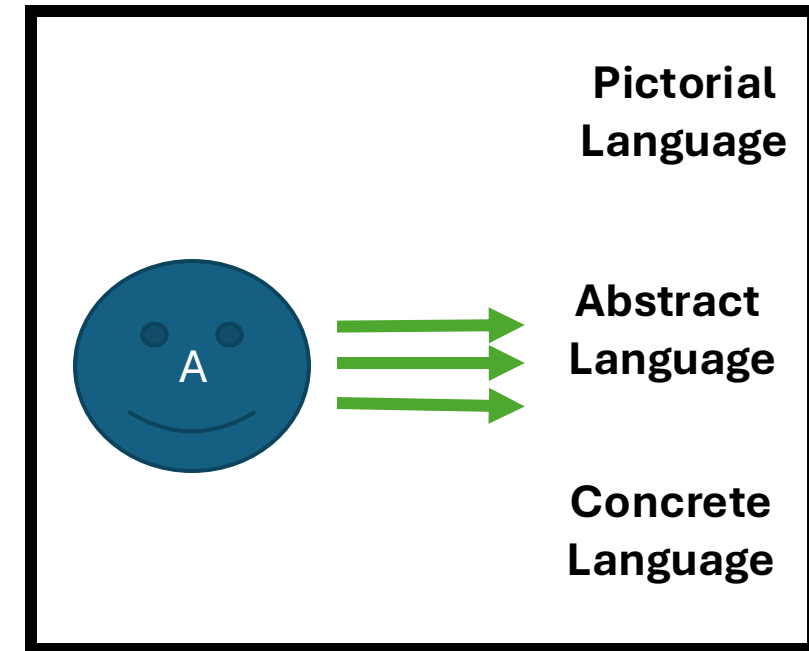
All Languages (in numeracy) are Treated Equal!



The **MORE WAYS** students can demonstrate learning, the deeper their understanding is

Vs.

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Learning Standards/ Outcomes	Assessment Tasks to Capture Learning	Differentiation of Evidence			
		Written	Oral	Kinesthetic	Visual
	• Assessment for Learning Task(s)				
	• Assessment as Learning Tasks				
	• Assessment of Learning Task(s)				

Planning

Anchor Text: Can You See Me?

Organizing Idea

Measurement:

Attributes such as length, area, volume, and angle are quantified by measurement

Guiding Question

In what ways can size be distinguished?

Learning Outcomes

Math

- Students will explore size through direct comparison

ELA

- Students will develop vocabulary through a variety of literacy experiences
- Students will experiment with written expression of ideas and information.
- Students will make connections between letters and sounds in words.



Competencies and Progressions

Literacy

- Construct Meaning: Students will participate in guided activities that model the use of strategies when viewing, listening to, and interacting with texts

Numeracy

- Spatial Information: Students will compare two familiar objects according to measurement attributes to complete a task (e.g., taller, shorter, heavier, smaller)

Competencies

- Communication.

The **grade level learning goals** are the same for everyone

Math

- Students will explore size through direct comparison

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Competencies

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Learning Activities and Tasks

Differentiation of Evidence

Viewing and showing

Listening and speaking

Writing and decoding



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are the same for everyone

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Competencies

- Communication

Learning
Activities and Tasks

Anchor Text: Can You See Me?

- **Project:** Can you see me?
- **Activity:** Measurement O Rama

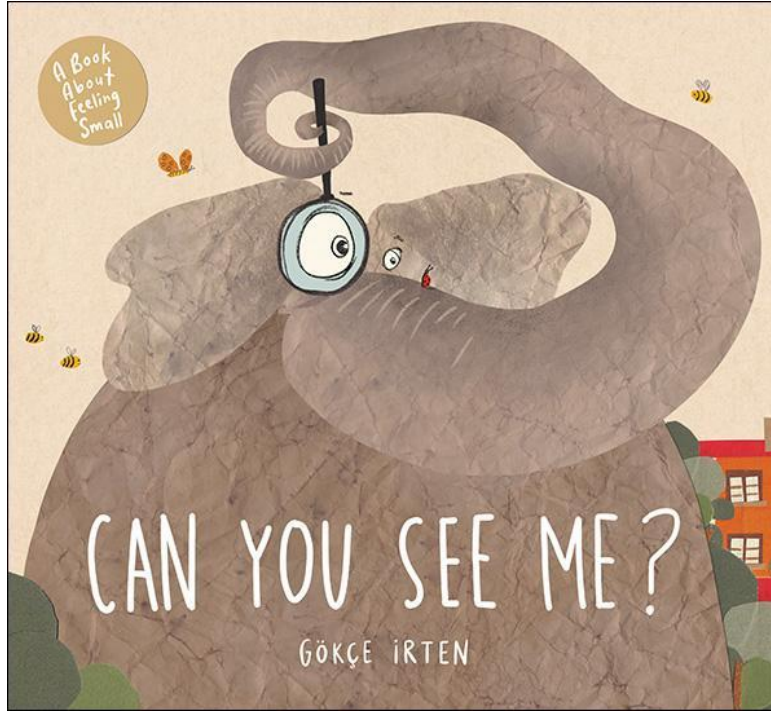
Differentiation of Evidence

viewing and
showing

Listening and
speaking

writing and
decoding



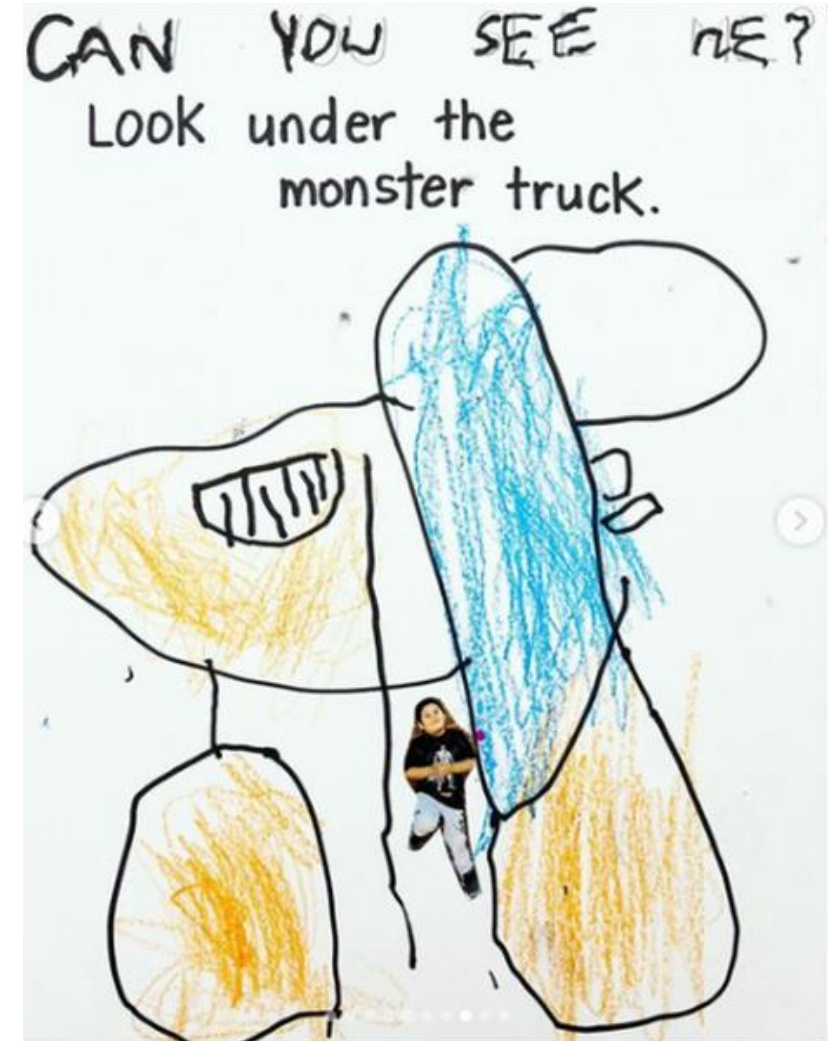
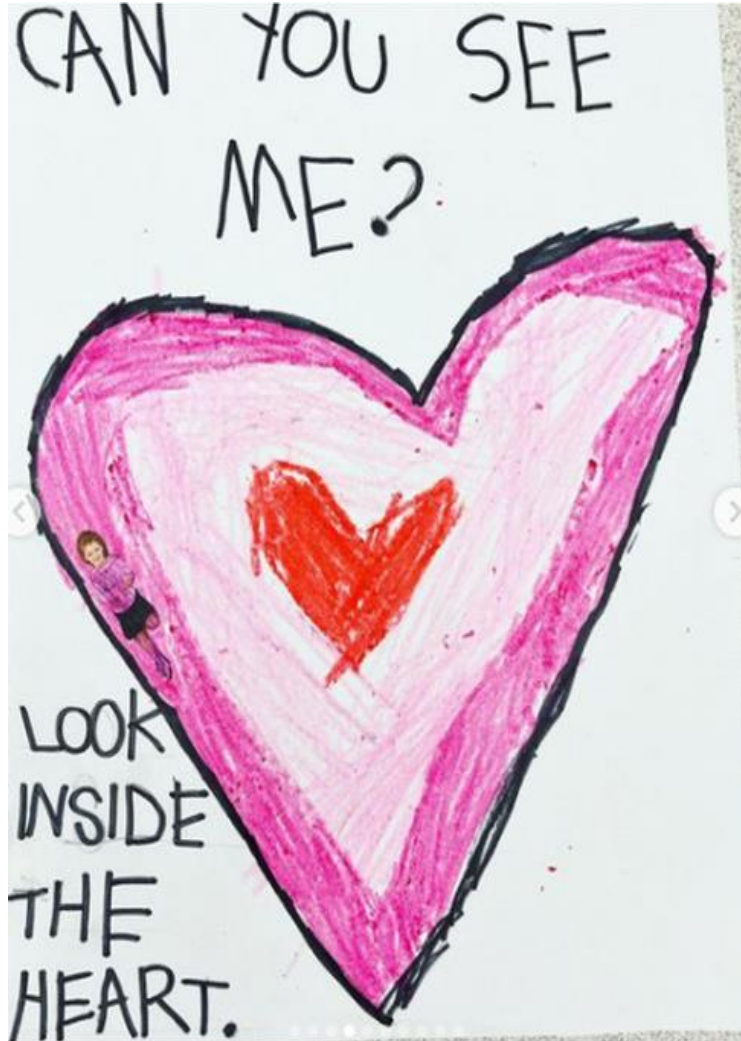


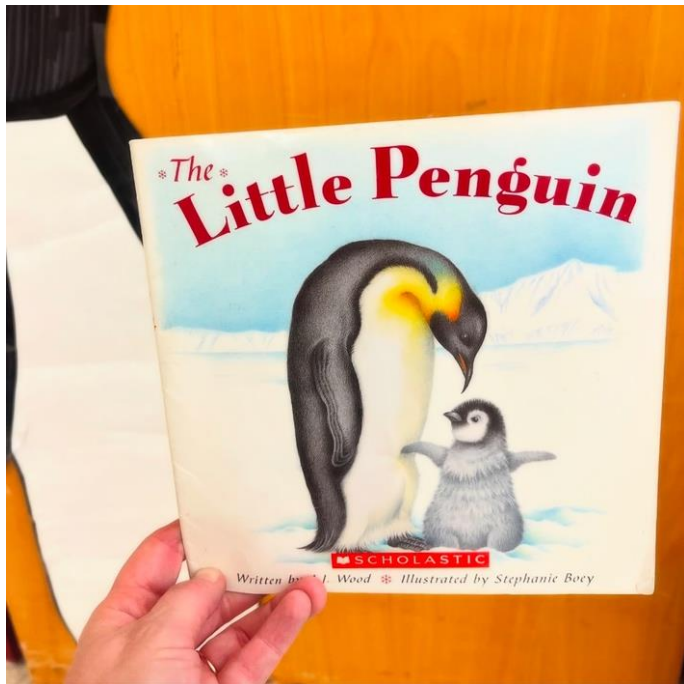
Project: Can you see me?

viewing and
showing

Listening and
speaking

writing and
decoding





Activity: What kind of box?

viewing and
showing



Listening and
speaking



writing and
decoding



Dear Shelley,
Here is what I discovered:

A SMALL box can
hold _____ child.

A MEDIUM box can
hold _____ children.

A LARGE box can hold
_____ children.

I think you should use a
box to ship the penguins.

ANOTHER TIP? _____

FROM _____

Dear Kindergarten,

Hello! I am a zoologist named Shelley and I
need to ship 6 emperor penguins to a new
zoo.

I heard you are BOXITECTS and ARCHITECTS
and I thought you would be perfect to
gather some information from.

I need you to do an experiment for me.

I heard that an emperor penguin is about
the size of a kindergarten child. But I have
no idea how big of a container I might need
in order to send our 6 emperor penguins!

Can you experiment and explore with some
boxes to ESTIMATE what size box I might
need? If you could send some pictures and
drawings that would be great!

Thank you!

Sincerely,
Shelley

Class: Grade 8		Subject Area(s): ELA/Social Studies	Planning Team: J & S & Team NT
Big Idea(s): Exploration, expansion, and colonization had varying consequences for different groups Exploring stories and other texts helps us understand ourselves and make connections to others and to the world I can understand that different cultures and communities have different perspectives			Unit Guiding Question(s): How do the narratives of exploration and colonization reflect the diverse perspectives the cultures and communities involved? How can stories from multiple perspectives help us to better understand ourselves and how we connect to others?
Vocabulary to know and use (content): narratives, exploration, expansion, colonization, interactions, exchange, ideas, arts, cultures, civilizations, perspectives, past, present, people, places, issues, events, values, worldviews, beliefs, time and place, cause, influence, decisions, actions, events, short term, long term, consequences, story, oral tradition, local Indigenous perspectives, points of view, sources, viewpoints			Vocabulary to know and use (skills & competencies): compare, explain/describe, understand, critical thinking, reflective thinking
Unit Goals		Curricular Language	Student friendly language
Content Goal:		interactions and exchanges of resources , ideas , arts , and culture between and among different civilizations	I know how different civilizations interacted and exchanged goods and ideas
Content Goal:		exploration, expansion, and colonization	I know what exploration, expansion and colonization is
Curricular Competency Goal: SS - Perspective		Explain different perspectives on past or present people, places, issues , or events , and compare the values, worldviews , and beliefs of human cultures and societies in different times and places	I can explain different perspectives of different cultures and communities over time
Curricular Competency Goal: SS- Cause & Consequence		Determine which causes most influenced particular decisions, actions, or events , and assess their short-and long-term consequences	I can explain the causes and consequences of decisions, actions, or events
Curricular Competency Goal: ELA - Comprehend & Connect		Recognize and appreciate the role of story , narrative, and oral tradition in expressing local Indigenous perspectives, values, beliefs , and points of view	I can appreciate the story and oral traditions of (local) Indigenous Peoples
Curricular Competency Goal: ELA - Comprehend & Connect		Synthesize ideas from a variety of sources to build understanding	I can gather and find themes from many different source to help me understand
Curricular Competency Goal: ELA – Create & Communicate		Exchange ideas and viewpoints to build shared understanding and extend thinking	I can share ideas and viewpoints to help myself and others understand and stretch our thinking
Key Competency Goal: Critical & Reflective Thinking		Critical and Reflective Thinking (1-3)	

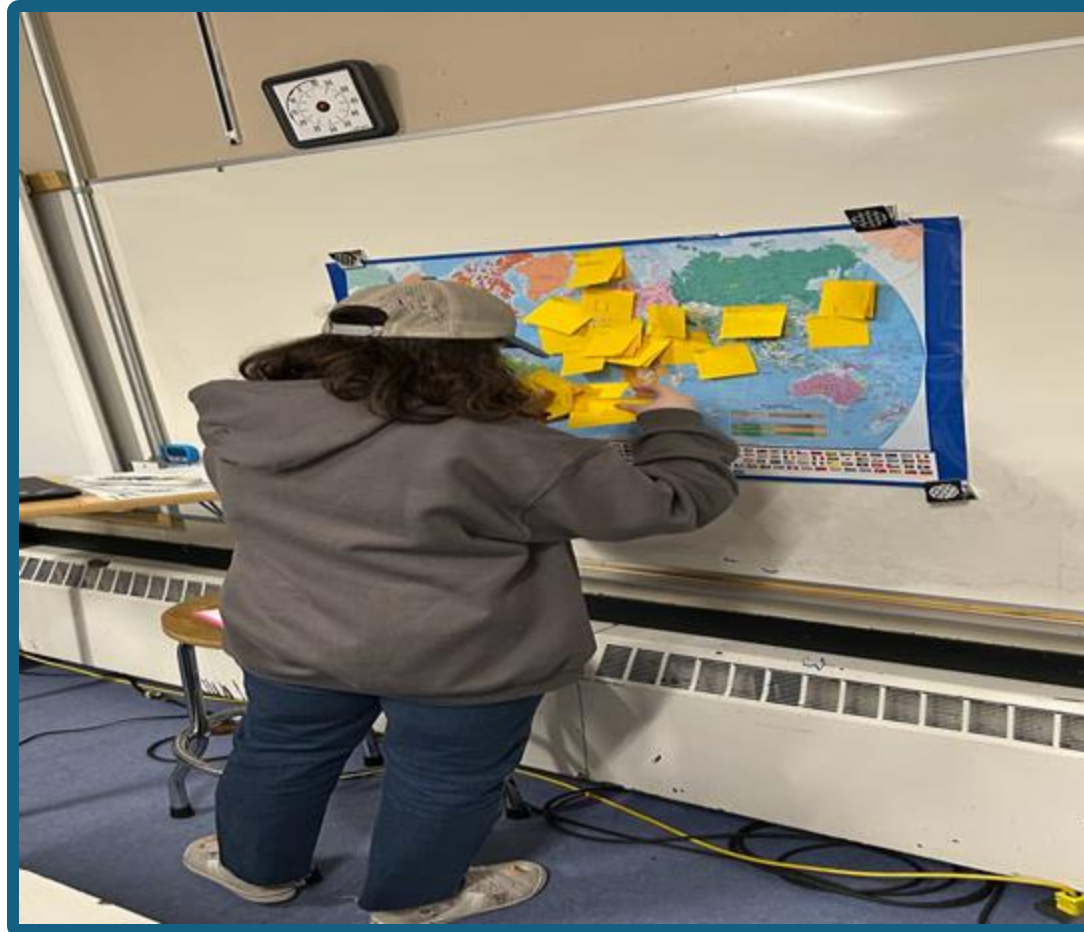
Learning Standards	Tasks and Activities to show Learning	Differentiation of Evidence			
		Written	Oral	Kinesthetic	Visual
1. I know how different civilizations interacted and exchanged goods and ideas	<ul style="list-style-type: none"> Creating a Timeline <ul style="list-style-type: none"> LS: 6 	X			
2. I know what exploration, expansion and colonization is	<ul style="list-style-type: none"> Event worksheet activity <ul style="list-style-type: none"> LS: 3 	X			
3. I can explain different perspectives of different cultures and communities over time	<ul style="list-style-type: none"> Quick write <ul style="list-style-type: none"> LS: 4, 7 				
4. I can explain the causes and consequences of decisions, actions, or events	<ul style="list-style-type: none"> Quick write <ul style="list-style-type: none"> LS: 2, 3 	X			
5. I can appreciate the story and oral traditions of (local) Indigenous Peoples	<ul style="list-style-type: none"> Read article/comprehension questions <ul style="list-style-type: none"> LS: 1, 2, 4, 6, 7 	X			
6. I can gather and find themes from many different sources to help me understand	<ul style="list-style-type: none"> Unit test: M/C, short answer <ul style="list-style-type: none"> LS: 1, 2, 3, 4, 5 	X			
7. I can share ideas and viewpoints to help myself and others understand and stretch our thinking		X			
8. I can be a critical thinker					

Learning Standards	Tasks and Activities to show Learning	Differentiation of Evidence			
		Written	Oral	Kinesthetic	Visual
1. I know how different civilizations interacted and exchanged goods and ideas	<ul style="list-style-type: none"> Creating a Timeline <ul style="list-style-type: none"> LS: 6 	X		X	X
2. I know what exploration, expansion and colonization is	<ul style="list-style-type: none"> Locating of key events on timeline <ul style="list-style-type: none"> LS: 3 	X		X	X
3. I can explain different perspectives of different cultures and communities over time	<ul style="list-style-type: none"> Questioning Post-it note activity <ul style="list-style-type: none"> LS: 3, 4, 7, 8 		X		X
4. I can explain the causes and consequences of decisions, actions, or events	<ul style="list-style-type: none"> Quick write <ul style="list-style-type: none"> LS: 4, 7 	X			
5. I can appreciate the story and oral traditions of (local) Indigenous Peoples	<ul style="list-style-type: none"> Quick write/ Whole class 3 column chart <ul style="list-style-type: none"> LS: 2, 3 	X	X		
6. I can gather and find themes from many different sources to help me understand	<ul style="list-style-type: none"> See/Think/Wonder <ul style="list-style-type: none"> LS: 1, 2, 4, 7, 8 	X	X		
7. I can share ideas and viewpoints to help myself and others understand and stretch our thinking	<ul style="list-style-type: none"> Jigsaw Activity <ul style="list-style-type: none"> LS: 1, 2, 4, 6, 7 	X	X		
	<ul style="list-style-type: none"> Comparing perspectives Venn diagram <ul style="list-style-type: none"> LS: 3, 5, 8 	X			
8. I can be a critical thinker					

Background Information: Creating a Timeline



Next, they identified the locations by placing their sticky notes on a world map.



Questions/Comments:

- ★ Do we have the whole story?
- ★ Whose stories are missing?
- ★ Why are they missing?
- ★ How can we fill in the missing pieces? Who can we ask? Where can we look?
 - Talk to Elders
 - Read Legends
 - Change our research focus to “Indigenous stories” re: contact
 - Museum
- ★ We need to get all sides of the story
- ★ Everyone’s perspective



LESSON 2: ELA

PROVOCATIONS

Strategy: Quick Write

Access

Confident



Should humans explore other planets if the technology becomes available? Why or why not?

I would not explore
other planets
because they would
have extreme
temperatures



Nelson

Isabella

Should Humans Explore Other Planets If
The Technology Becomes Available?

I think humans should explore other planets for a few reasons. The most important reason is that we could discover living organisms, like other species or creatures and how they are in their habitat. My second reason is that if the Earth gets destroyed we could live on another safe planet permanently or temporarily. We could also discover new minerals, we may have many uses for them too.

So, my reasons for exploring wouldn't change. We could just ask them what they've discovered during their time on that planet, we could work together to explore more planets, or we'll see how us humans adapt to another environment.

I would question their intentions but once they explain their reasoning to bring here, I would be welcoming. Scientists could show them what they've discovered and they could help each other to discover other things.

What do you want to try with you target class?

Grade 4 Math		Curricular Competencies									
Big Ideas	Content	Reasoning and Analyzing		Understanding and Solving			Communicating and Representing		Connecting and Reflecting		
		Use reasoning to explore and make connections	Estimate reasonably	Develop mental math strategies and abilities to make sense of quantities	Use technology to explore mathematics	Model mathematics in contextualized experiences	Analyze, demonstrate, and apply mathematical understanding through play, inquiry, and problem solving	Visualize to explore mathematical concepts	Develop and use multiple strategies to engage in problem solving	Engage in problem-solving experiences that are connected to place, story, cultural practices, and perspectives relevant to local First Peoples communities, the local community, and other cultures	Communicate mathematical thinking in many ways
Big Ideas	Fractions and decimals are types of numbers that can represent quantities.										
	*Development of computational fluency and multiplicative thinking requires analysis of patterns and relations in multiplication and division.										
	*Regular changes in patterns can be identified and represented using tools and tables.										
	*Polygons are closed shapes with similar attributes that can be described, measured, and compared.										
	*Analyzing and interpreting experiments in data probability develops an understanding of chance.										
	number concepts to 10 000										
	decimals to hundredths										
	ordering and comparing fractions										
	addition and subtraction to 10 000										
	multiplication and division of two- or three-digit numbers by one-digit numbers										
	addition and subtraction of decimals to hundredths										
	addition and subtraction facts to 20 (developing computational fluency)										
	multiplication and division facts to 100 (introductory computational strategies)										
	increasing and decreasing patterns, using tables and charts										
	algebraic relationships among quantities										
	one-step equations with an unknown number using all operations										
	how to tell time with analog and digital clocks, using 12- and 24-hour clocks										
	regular and irregular polygons										
	perimeter of regular and irregular shapes										
	line symmetry										
	one-to-one correspondence and many-to-one correspondence, using bar graphs and pictographs										
	probability experiments										
	financial literacy - monetary calculations, making change up to 100 dollars & financial decisions										

Grade:	Subject Area:	Planning Team:
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Key Vocabulary:		
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What do students need to do? Curricular Competencies		I can
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Who do student need to be? Core Competency Goals	I can become/ I am...	

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	• Assessment as Learning Tasks				
	• Assessment of Learning Task(s)				

May 15

Inclusive Curriculum Design

Access Points

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