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 Sea.



# SHELLEY MOORE



@tweetsomemoore



@fivemooreminutes



@fivemooreminutes



www.fivemooreminutes.com www.blogsomemoore.com



### The Chat Box – Waterfall

- I will show you a prompt on the screen
- Type your response in the chat box <u>BUT DO NOT</u> press send
- I will do a 3-2-1 "Go" countdown
- Everyone will press send at the same time when I say "GO!"

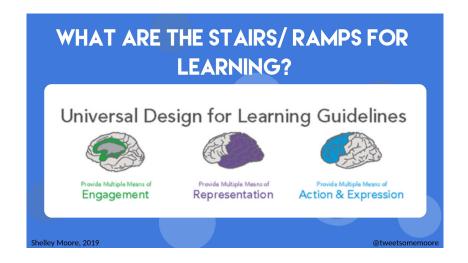
# Waterfall! What stands out from last session?

# Popcorn

What questions are coming up for you?

### Reducing Learning Barriers: UDL Targets

- Making a commitment to reduce learning barriers in a classroom community over time
- Based in brain research and how we learn
- Designed to be used for ALL learners
- Strategies are organized into 3 areas
  - How students are engaged in learning
  - How new learning/information is shared with/to them
  - How student share their learning
- Targets chosen based on the needs of a learning community



www.CAST.org

#### Teacher Team UDL Guidelines Self-Assessment & Target Goal Planner

#### Date:

UDL Language: Engagement			Accessible Language	Teacher Team UDL Reflection & Self-Assessment			
UDL Guideline	Providing Multiple Means of Engagement	Goal Area	Student Engagement				
7	Provide options for recruiting interest	Goal	I can support students to be interested in what we are learning about by:	We can do this!	We want to keep working on this!	This is our next step!	
7.1	<ul> <li>Optimizing individual choice and autonomy</li> </ul>	Objective	<ul> <li>giving students choice and control over what they are learning about (e.g. content, examples used)</li> </ul>				
7.2	Optimizing relevance, value & authenticity	Objective	<ul> <li>making learning relevant to the student's lives and connecting it to real world problems that are important to the students</li> </ul>				
7.3	Minimize threats & distractions	Objective	<ul> <li>reducing distractions in the classroom and building a safe place for students to take risks</li> </ul>				
8	Providing options for sustaining Effort & Persistence	Goal	I can support students to be motivated by:	We can do this!	We want to keep working on this!	This is our next step!	
8.1	<ul> <li>Heighten Salience of goals and objectives</li> </ul>	Objective	<ul> <li>clearly communicating learning goals/ intentions and why tasks and activities matter</li> </ul>				
8.2	<ul> <li>Vary demands and resources to optimize challenge</li> </ul>	Objective	<ul> <li>scaffolding learning by starting with accessibility and adding on challenge in goals and tasks</li> </ul>				
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9.3	Develop self-assessment and reflection	Objective	<ul> <li>by helping students to increase their awareness of how they are progressing towards their goal &amp; how to learn from their mistakes</li> </ul>				
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		Goal Area	Sharing "what" students a	200 200				
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1.1	<ul> <li>Offer ways of customizing the display of information</li> </ul>	Objective	<ul> <li>Sharing information in formats that are flexible</li> </ul>					
1.2	<ul> <li>Offer alternatives for auditory information</li> </ul>	Objective	<ul> <li>Utilizing modalities that compliment auditory information (visuals, tactile, movements etc.)</li> </ul>					
1.3	Offer alternatives for visual information	Objective	<ul> <li>Utilizing modalities that compliment visual information (descriptions, objects, auditory clues, reader)</li> </ul>			П		
2	Providing options for language and symbols	Goal	We can share different options/ examples of language and symbols to support student understanding by:	We can do this!	We want to keep working on this!	This is our next step!		
2.1	Clarify vocabulary and symbols	Objective	<ul> <li>Pre-teaching important vocabulary, symbols, numbers labels in many ways (written, oral, visual examples)</li> </ul>			П		
2.2	Clarify syntax and structure	Objective	<ul> <li>Highlighting and teaching patterns and properties in systems (e.g. grammar, notation, taxonomies, equations etc.)</li> </ul>			П		
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2.4	Promote understanding across languages	Objective	<ul> <li>Teaching and using translators, descriptions, movement &amp; visuals to support understanding in unfamiliar and multiple languages</li> </ul>			П		
2.5	Illustrate through multi media	Objective	<ul> <li>Using multi-media to support understanding (videos, graphics, activities)</li> </ul>					

UDL		Accessible Language		Teacher Team UDL Reflection & Self-Assessment			
Guideline	Providing Multiple Means of Action & Expression	Goal Area	Sharing and representing new information for student learning		ng		
4	Providing options for physical action	options for physical action Goal We can provide options for students to communicate using tools and assistive technology by:		We can do this!	We want to keep working on this!	This is our next step!	
4.1	<ul> <li>Vary the methods for response and navigation</li> </ul>	Objective	<ul> <li>providing tools/ assistive technologies to support motor skills to interact with instructional materials (i.e. alternatives to pencil/paper)</li> </ul>				
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Our UDL Team	m Target Goal is:				9	75	

# How can we change the system? Designing with Equity in Mind

Where are we going?

Curriculum & Assessment Design

Student choice of challenge Curriculum

Who are we Teaching?

### **Students**

**Building Student Agency** 

Needs Based Design

How will we support them?

Adjustable Supports

Student choice of Strategies

Instructional Design

How will we teach them?

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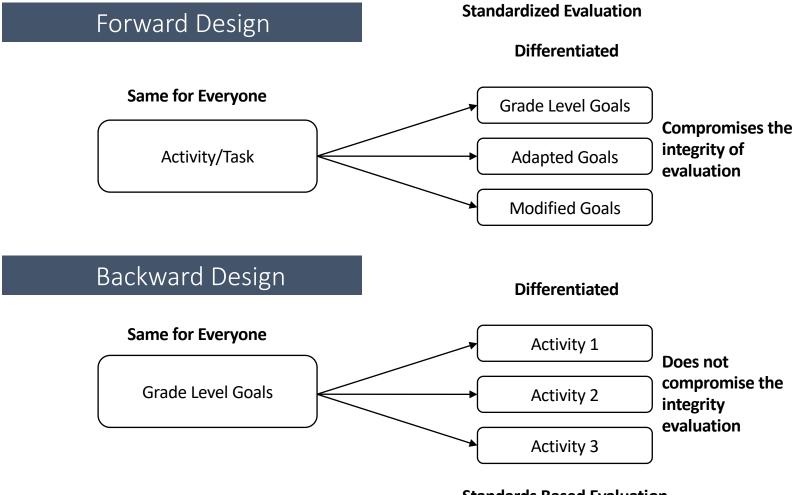
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3	Provide options comprehension	Goal		We can provide options to help students understand new information by:	We can do this!	We want to keep working on this!	This is our next step!
3.1	<ul> <li>activate or supply background knowledge</li> </ul>	Objective	•	building prior knowledge before teaching new information			
3.2	<ul> <li>Highlight patterns, critical features, big ideas and relationships</li> </ul>	Objective	•	Connecting new learning to big ideas, other learning, other contexts (familiar and unfamiliar)			
3.3	<ul> <li>Guide information processing and visualization</li> </ul>	Objective	•	Including learning tasks that allow students to process new information (e.g. summarizing, categorizing, prioritizing)			
3.4	<ul> <li>Maximize transfer and generalization</li> </ul>	Objective	•	Giving students opportunities to connect how they learned and how they can transfer those learning skills/ strategies/ supports to new settings			
Our UDL To	eam Target Goal is:						

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Our UDL Tea	am Target Goal is:		NE CARLES AND CARLES OF THE CONTROL OF THE CARLES OF THE C		9	15		
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#### **BACKWARDS DESIGN**

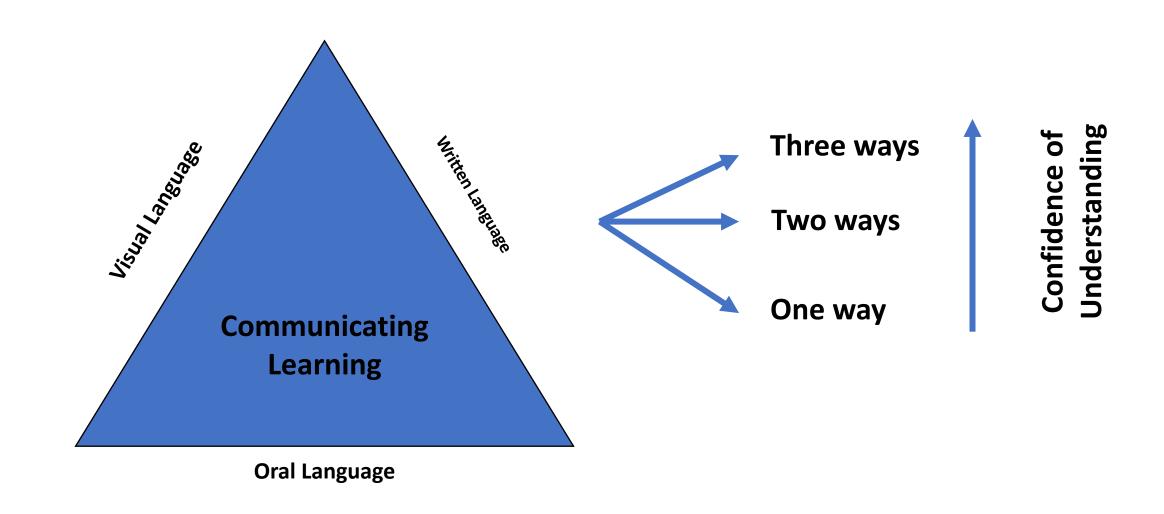




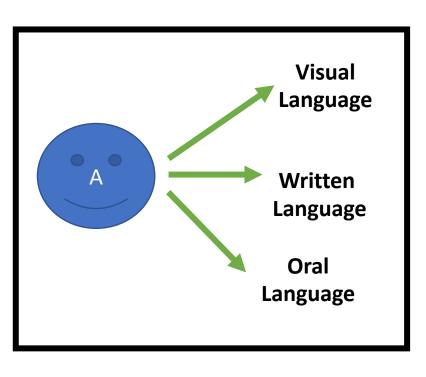
McTigue, 2010

**Standards Based Evaluation** 

## How do student show what they know?



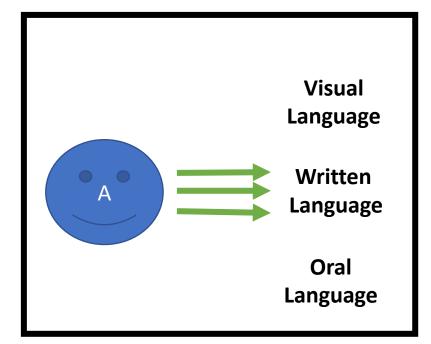
### All Languages (in literacy) are Treated Equal!



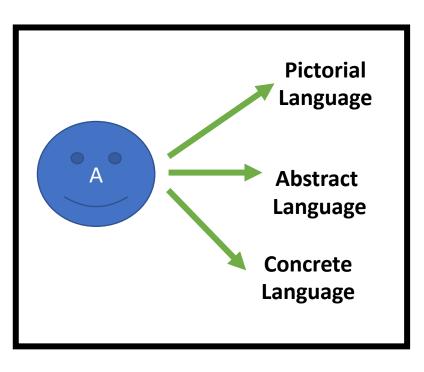
The MORE WAYS students can demonstrate learning, the more confident we are of meeting a goal

#### Instead of

The NUMBER OF TIMES, a student can show their learning in one way, the more confident we are of meeting a goal



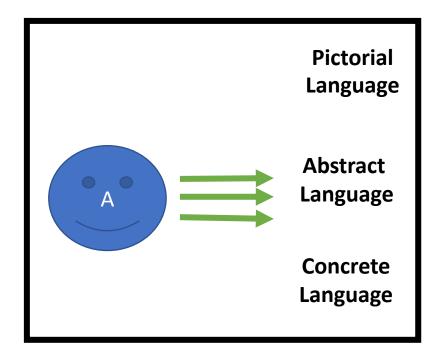
## All Languages (in numeracy) are Treated Equal!



The MORE WAYS students can demonstrate learning, the more confident we are of meeting a goal

#### Instead of

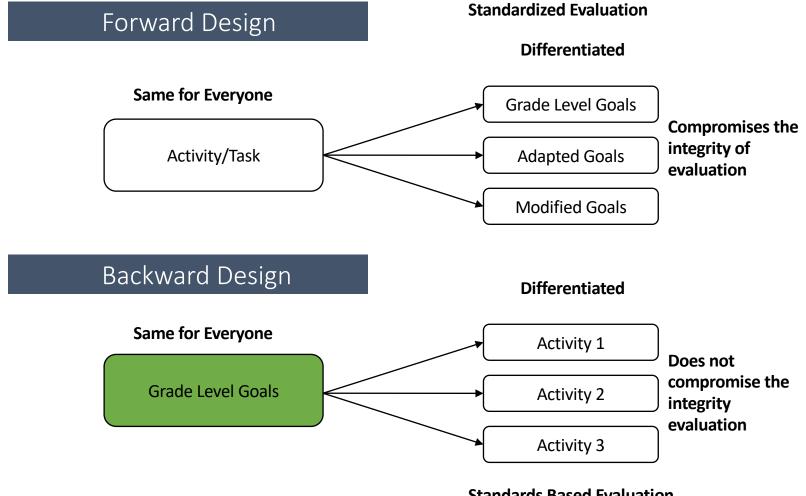
The NUMBER OF TIMES, a student can show their learning in one way, the more confident we are of meeting a goal



# Popcorn







McTigue, 2010

**Standards Based Evaluation** 

# Backwards Design

What do we need to UNDERSTAND?

What do we need to KNOW?

What do we need to DO?

Who do we need to **BECOME?** 

Grade: Subject Area:		Planning Team:					
Big Idea(s): What do I need to Understand?		Unit Guiding Question(s):					
Key Vocabulary:							

	Curricular Language	Student Friendly Language
Learning Standard		I know
Learning Standard		I can
Learning Standard		I can
Learning Standard		I can
Attitudes and Competencies	I can become/ I am	

Grade: Math 10C	Topic: Measurement	Planning Team:					
Big Idea(s): What do I need to Understand? Student reasoning	ts understand spatial sense and proportional	Unit Guiding Question(s): What is spatial sense? What is proportional reasoning? How are they connected?					

Key Vocabulary:

Rey Vocabulary.		
	Curricular Language	Student Friendly Language
What do students need to know? Knowledge goals		I know SI units I know Imperial Unite I know measurement strategies and how to use them to solve problems I know what 3D objects are and different types of 3D objects I know sine, cosign & tangent are trigonomic ratios and how to use them to solve problems
What do students need to do? Skills/Process Goals	Solve problems that involve linear measurement, using:  SI and imperial units of measure  estimation strategies  measurement strategies.	I can solve problems by:  - Using different units of measure  - Estimating  - Using measurement strategies
What do students need to do? Skills/Process Goals	Apply proportional reasoning to problems that involve conversions between SI and imperial units of measure.	I can convert between SI and Imperial units of measure
What do students need to do? Skills/Process Goals	Solve problems, using SI and imperial units, that involve the surface area and volume of 3-D objects, including:	I can find the surface area and volume of 3D objects including: - Right cones - Right cylinders - Right prisms - Right pyramids - spheres
What do students need to do? Skills/Process Goals	Develop and apply the primary trigonometric ratios (sine, cosine, tangent) to solve problems that involve right triangles	I can use trigonomic ratios to solve problems that have a right triangle
What subject specific competencies do students need to develop?	I am/can to help me understand.  ME, PS, CN, R, V, C, T	I can use mental math strategies and estimation I am a problem solver I can make connections I can reason I can visualize I can use technology

Name:	Date:				Unit 1	opic: Measurement	
General Learning Outcome/ Unit Guiding que What is spatial sense? What is proportional							
I still need support			l can	do this!			I need some challenge
	<ul> <li>I know know S</li> <li>I know Imperia</li> <li>I know measure</li> <li>I know what 3</li> <li>I know sine, co</li> </ul>	al Unite rement strateg D objects are a					
	<ul><li>1. I can solve pro</li><li>Using different</li><li>Estimating</li><li>Using measure</li></ul>	t units of meas					
	<ul> <li>2. I can find the s</li> <li>Right cones</li> <li>Right cylinders</li> <li>Right prism</li> <li>Right pyramids</li> <li>Spheres</li> </ul>	5	d volume of 3D	objects includ	ing:		
	3. I can convert b	etween SI and	Imperial units	of measure			
	4. I can use trigo	nomic ratios to	solve problem	s that have a ri	ght triangle		
	I can						
	use mental math strategies and estimation	solve problems	make connections	reason	visualize	use technology	
					to	help me understand	

#### Our Unit Questions

- How are carbon, oxygen, <u>nitrogen</u> and phosphorus cycled in the biosphere?
   How is the flow of energy balanced in the biosphere?
- How have human activities and technological advances affected the balance of energy and matter in the biosphere?

6.933337	neral Learning Outcome: Students will understand the systems.	e con	stant flow of energy through the biosphere and
Uni	t Goals: Curricular Language	Stu	dent Friendly Language
Knowledge	20–A1.1k Students will: explain, in general terms, the one-way flow of energy through the biosphere and how stored energy in the biosphere, as a system, is eventually "lost" as heat  20–A1.2k Students will: explain how energy in the biosphere can be perceived as a balance between	Knowledge	I know how energy is used in a biosphere (stored, transferred, lost)  I know that energy in different biospheres is balanced and cycles
	both photosynthetic and chemosynthetic activities and cellular respiratory activities		I know how biospheres are interconnected
	20–A1.3k Students will explain the structure of ecosystem trophic levels, using models such as food chains and food webs		I know what an ecosystem is and how it is organized
	<b>20–A1.4k</b> Students will explain, quantitatively, the flow of energy and the exchange of matter in aquatic and terrestrial ecosystems, using models such as pyramids of numbers, biomass and energy		I know how energy moves in an ecosystem I know how to represent the movement of energy in ecosystems using a model
STS	20–A1.1sts Students will: explain that the process of scientific investigation includes analyzing evidence and providing explanations based upon scientific theories and concepts	STS	I can connect what I am learning about biospheres to real life examples and events
Specific Outcomes for Skills	Initiating and Planning 20–A1.1s Students will: formulate questions about observed relationships and plan investigations of questions, ideas, problems, and issues  Performing and Recording 20–A1.2s Students will: conduct investigations into relationships among observable variables and use a broad range of tools and techniques to gather and record data and information perform an experiment	Specific Outcomes for Skills	I can initiate and plan by:  by asking questions about what I observe in my environment  by making predicting based on what I observe  I can investigate and record my observations by:  using different tools and techniques to gather data  complete an experiment
	Analyzing and Interpreting 20–A1.3s Students will: analyze data and apply mathematical and conceptual models to develop and assess possible solutions		I can analyze and interpret by: I looking for patterns in my data to help me understand what is happening connecting my data to other scenarios and contexts coming up with some possible solutions or explanations for what is happening organizing and displaying my data in ways that make sense to me
	Communication 20–A1.4s Students will: work collaboratively in addressing problems and apply the skills and conventions of science in communicating information and ideas and in assessing results		I can communicate my findings by: using SI units and Sig Digs presenting my findings so it makes sense to others (modes representation)

#### **Backward Design Unit Planning Template: Building the Curricular Air Plane**

Class: Ms. P Gr. 2/3	Subject Area(s): Cross Curricular	Planning Team: Ms. P & Shelley
	e motion of an object. (Science) que <b>story</b> to share. (Language Arts)	Unit Guiding Question(s):  Who are our monsters? What are their stories? How can we use forces to help us catch them?
Unit Goals	Curricular Language	Student friendly language
Content Goal: Science (2)	types of forces	I know different types of <b>forces</b>
Content goal: Language Arts (2/3)	Story/text: elements of a story	I know what makes a <b>story</b>
Curricular Competency Goal: ADST (2/3)  Making: Make a product using known procedures or through modelling of others		I can <b>make</b> something for a <b>purpose</b>
Curricular Safely manipulate materials to test ideas and predictions Competency Goal: Science (2/3)		I can <b>make</b> a <b>plan</b> and <b>try</b> out my <b>ideas</b>
Curricular Competency Goal: Language Arts (2/3)	Plan and create a variety of communication forms for different purposes and audiences	I can <b>create</b> a <b>story</b> for an <b>audience</b>
Curricular Competency Goal: Art (2/3)	Exploring and creating: Explore elements, processes, materials, movements, technologies, tools, and techniques of the arts	I can <b>create</b> many things using different art <b>tools</b> and <b>materials</b>
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 constrainst of a form, a problem or materials (2)	We are creative thinkers because we get new ideas! I get new ideas by: (Students choose):  using my senses to explore changing what I am doing trying something new solving a problem in a new way

# Who are our monsters? What are their stories? How can we use forces to help us catch them?

Name:		Date:	
I'm still working on it	My goals	I got it!	How do I know? What is my evidence?
	I know different types of forces		
	I know what makes a <b>story</b>		
	I can make something for a purpose		
	I can make a plan and try out my ideas		
	I can create a story for an audience		
	<ul> <li>I can create many things using different art tools and materials</li> </ul>		

Grade: 4/5	Subject Area: Math	Planning Team: Kelset Team
Big Ideas:		Unit Guiding questions: Why do we need to learn how to add and subtract? Where in our lives do we use addition and subtraction?
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 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 <u>multiple strategies</u> 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

Grade: Kindergarte	Subject Areas: Science, Socials, Art, Math	Planning Team: Eva, Regan, Shelley
<ul><li>Humans intera</li><li>Objects have a</li><li>Engagement in</li><li>Stories and oth</li></ul>	students need to understand? ct with matter every day through familiar materials (science) ttributes that can be described, measured, and compared (Math) the arts creates opportunities for inquiry through purposeful play (Art) ner texts help us learn about ourselves and our families (LA) ditions about ourselves and our families reflect who we are and where	<ul> <li>Unit Guiding Questions:</li> <li>How do I interact with different materials and objects?</li> <li>How can I describe different materials and objects?</li> <li>How can I be curious about, learn, and play using different materials and objects?</li> <li>How can I use different materials and objects to share stories about myself and my family?</li> <li>How can I choose specific materials and objects to represent my family?</li> <li>Student Friendly Language</li> <li>I know how to interact with objects and materials by using my senses</li> </ul>
Content (Math)	local First Peoples uses of plants (sci)      single attributes of 2D shapes and 3D objects (math)     concrete or pictorial graphs as a visual tool (math)	I know different ways that First Peoples use objects and materials (e.g., plants  I know what makes materials, objects (3D) and shapes (2D) different form each other  I know how to show "how many" using objects and pictures
Content (Art)	processes, materials, movements, technologies, tools and techniques to support arts activities (art)     traditional and contemporary Aboriginal arts and arts-making processes (art)	I know how to use materials and objects to create art     I know how First Peoples use materials and objects to make art
Content (Language Arts)	Story structure of story (LA)	I know how to use materials and objects to show, tell and write a story
Content (Social Studies)	<ul> <li>ways in which individuals and families differ and are the same</li> <li>people, places, and events in the local community, and in local First Peoples communities</li> </ul>	<ul> <li>I know what makes my family unique</li> <li>I know what makes families different from each other</li> <li>I know how to use materials and objects to show:         <ul> <li>Who my family is</li> <li>Where my family is from</li> <li>What events or traditions are special to my family</li> <li>What events or traditions are special to my community</li> </ul> </li> </ul>
Curricular Competency (Science)	<ul> <li>Planning and conducting         <ul> <li>effects of pushes/pulls on movement</li> <li>Make exploratory observations using their senses</li> </ul> </li> <li>Questioning and predicting         <ul> <li>Demonstrate curiosity and a sense of wonder about the world</li> </ul> </li> <li>Processing and analyzing data and information         <ul> <li>Discuss observations</li> <li>Represent observations and ideas by drawing charts and simple pictographs</li> </ul> </li> </ul>	<ul> <li>I can show what happens to different objects when they are pushed or pulled</li> <li>I can share what happens to objects when they are pushed or pulled on different materials</li> <li>I can share what happened by using my senses</li> <li>I can be curious by asking questions about different materials, shapes and objects</li> <li>I can talk to others about what I see</li> <li>I can show that I understand by making graphs and drawings of my learning</li> <li>I can talk about what I am learning</li> </ul>

# How can we change the system? Designing with Equity in Mind

Where are we going?

Curriculum & Assessment Design

Student choice of challenge Curiculum

Who

St

Who are we Teaching?

### **Students**

**Building Student Agency** 

Needs Based Design

How will we support them?

Adjustable Supports

Student choice of Strategies

Instructional Design

How will we teach them?

#### Teacher Team UDL Guidelines Self-Assessment & Target Goal Planner

#### Date:

UDL Language: Engagement			Accessible Language	Teacher Team UDL Reflection & Self-Assessment			
UDL iuideline	Providing Multiple Means of Engagement	Goal Area	Student Engagement	The second			
7	Provide options for recruiting interest	Goal	I can support students to be interested in what we are learning about by:	We can do this!	We want to keep working on this!	This is ou next step	
7.1	<ul> <li>Optimizing individual choice and autonomy</li> </ul>	Objective	<ul> <li>giving students choice and control over what they are learning about (e.g. content, examples used)</li> </ul>				
7.2	Optimizing relevance, value & authenticity	Objective	<ul> <li>making learning relevant to the student's lives and connecting it to real world problems that are important to the students</li> </ul>	Self-Assessment  agement  e are			
7.3	Minimize threats & distractions	Comparison   Com					
8	Providing options for sustaining Effort & Persistence		This is ou next step				
8.1	<ul> <li>Heighten Salience of goals and objectives</li> </ul>						
8.2	<ul> <li>Vary demands and resources to optimize challenge</li> </ul>						
8.3	<ul> <li>Foster collaboration and community</li> </ul>						
8.4	<ul> <li>Increase mastery-oriented feedback</li> </ul>						
9	Provide options for Self- Regulation			This is ou next step			
9.1	Promote expectations and     beliefs that perting a set in the set in th		П				
9.2	<ul> <li>Facilitate personal coping skills and strategies</li> </ul>	Objective					
9.3	Develop self-assessment and reflection	Objective	they are progressing towards their goal & how to learn				
ur UDL Te	am Target Goal is:	7					

UE	L Language: Representation		Accessible Language Teacher Team UDL Reflection Self-Assessment						
UDL Guideline  1  1.1  1.2  1.3  2	Providing Multiple Means of Representation	Goal Area	Sharing "what" students are learning						
1	Provide options for perception	Goal	We can present new information to students so that they understand it by:		We want to keep working on this!	This is our next step!			
1.1	<ul> <li>Offer ways of customizing the display of information</li> </ul>	Objective	<ul> <li>Sharing information in formats that are flexible</li> </ul>						
1.2	<ul> <li>Offer alternatives for auditory information</li> </ul>	Objective	<ul> <li>Utilizing modalities that compliment auditory information (visuals, tactile, movements etc.)</li> </ul>						
1.3	Offer alternatives for visual information	Objective	<ul> <li>Utilizing modalities that compliment visual information (descriptions, objects, auditory clues, reader)</li> </ul>						
2	Providing options for language and symbols	Goal	We can share different options/ examples of language and symbols to support student understanding by:	We can do this!	We want to keep working on this!	This is our next step!			
2.1	Clarify vocabulary and symbols	Objective	<ul> <li>Pre-teaching important vocabulary, symbols, numbers labels in many ways (written, oral, visual examples)</li> </ul>			П			
2.2	Clarify syntax and structure	Objective	<ul> <li>Highlighting and teaching patterns and properties in systems (e.g. grammar, notation, taxonomies, equations etc.)</li> </ul>						
2.3	<ul> <li>Support decoding of text, mathematical notation and symbols</li> </ul>	Objective	<ul> <li>Teaching and using supports and strategies for students to understand written text, mathematical notation and symbol use (unless the goal is de-coding ability)</li> </ul>						
2.4	Promote understanding across languages	Objective	<ul> <li>Teaching and using translators, descriptions, movement &amp; visuals to support understanding in unfamiliar and multiple languages</li> </ul>						
2.5	Illustrate through multi media	Objective	<ul> <li>Using multi-media to support understanding (videos, graphics, activities)</li> </ul>						

3	Provide options comprehension	Goal		We can provide options to help students understand new information by:	We can do this!	We want to keep working on	This is our next step!
3.1	<ul> <li>activate or supply background knowledge</li> </ul>	Objective	•	building prior knowledge before teaching new information			
3.2	<ul> <li>Highlight patterns, critical features, big ideas and relationships</li> </ul>	Objective	•	Connecting new learning to big ideas, other learning, other contexts (familiar and unfamiliar)			
3.3	<ul> <li>Guide information processing and visualization</li> </ul>	Objective	•	Including learning tasks that allow students to process new information (e.g. summarizing, categorizing, prioritizing)			
3.4	<ul> <li>Maximize transfer and generalization</li> </ul>	Objective	•	Giving students opportunities to connect how they learned and how they can transfer those learning skills/ strategies/ supports to new settings			
Our UDL T	eam Target Goal is:						

Guideline	Providing Multiple Means of Action & Expression	Goal Area				
4 P			Sharing and representing new information for stu	iding tools/ assistive technologies to support motor skills to act with instructional materials (i.e. alternatives to		
	Providing options for physical action	Goal	We can provide options for students to communicate using tools and assistive technology by:		wearning  In do seep working on this!  In do weep working on this is our next step!	
4.1	<ul> <li>Vary the methods for response and navigation</li> </ul>	Objective	<ul> <li>providing tools/ assistive technologies to support motor skills to interact with instructional materials (i.e. alternatives to pencil/paper)</li> </ul>			
4.2	<ul> <li>Optimize access to tools and assistive technologies</li> </ul>	Objective	<ul> <li>providing support and teaching how to use tools effectively (i.e. teaching how to use tools/assistive technologies as supports)</li> </ul>			
5	Provide options for expression and communication	Goal	We can provide options for students to show what they know & communicate their learning by:		keep working	
5.1	<ul> <li>Use multi-media for communication</li> </ul>	Objective	<ul> <li>teaching new formats to develop a wider range of expression using multimedia and materials (oral/visual/written) (concrete/pictoral/abstract)</li> </ul>	П		
5.2	<ul> <li>Use media tools for construction and composition</li> </ul>	Objective	<ul> <li>offering supports and strategies for students to create written output (word prediction, text-to-speech, mapping tools, sentence starters etc.)</li> </ul>	П		
5.3	<ul> <li>Build fluencies with graduated levels of support of support for practice and performance</li> </ul>	Objective	<ul> <li>supporting increasing fluency by offering scaffolded options of challenge and supports to increase independence</li> </ul>			
6	Provide options for executive	Goal	We can provide options for students to know and set goals and	We can do this!		
6.1	Guide appropriate goals setting	Objective	<ul> <li>guiding students through reflection, self-assessment and goal setting with curricular and core competencies</li> </ul>	П		
6.2	<ul> <li>Support planning and strategy development</li> </ul>	Objective	<ul> <li>modelling how to use supports and strategies and empowering students to make individual decisions about what they need to meet goals</li> </ul>		п	
6.3	<ul> <li>Enhance managing information and resources</li> </ul>	Objective	<ul> <li>teaching students to organize their evidence of learning and determine their best examples of learning</li> </ul>	П		П
6.4	progress	Objective	student work samples to provide feedback to students and model self-assessment			
Our UDL Team	Target Goal is:				31	775

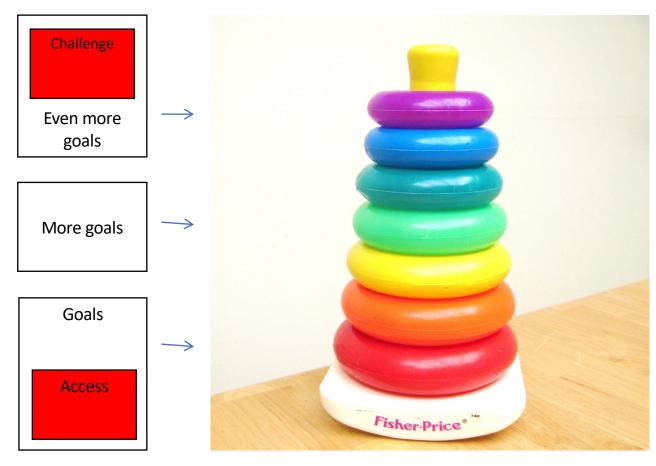
esson Goal(s):						Date	
onnecting Act	ivity:					Supports & strategies nee	ded
lini Lesson:							
Processing Ta	ısk:					7	
J							
					<b>→</b>		
I Need to	O	I Must	I Can	I Could	I Can Try to		
					A		
	Access	All	Most	Few	Challenge		

The Planning Pyramid: Differentiated Curriculum



Start from access, build on challenge

### Creating Access AND Challenge



## Science Grade 2

Example Unit & Lesson Plan

Grade: 2	Subject(s): Science	Planning Team: Kim (CT2), Shelley, Jessica (PA), Raime (P), Kendra (DI)		
Our Guiding Unit Question:		Kid Friendly:		
How does water impact living things in the environment?		What is water? Why is water important to living things?		
Learning Outcome:		Kid friendly goals:		
Students investigate characteristics of water and the importance of water to living things in the environment.		I can investigate water I know that water is important to living things and the environment		
Competency: We can be cultural and global citizens  Numeracy: We can collect data  Numeracy: We can communicate our learning  Literacy: We can use strategies to help us understand text				

Important vocabulary to know and use:

Water	Citizens	Investigate
Environment	Strategies	Collect data
Living things	communicate	Text

#### Guiding Unit Question: How does water impact living things in the environment? **Lesson Goal(s):** Date: I can investigate water know that water is important to living things and the environment **Supports** Connecting Activity: picture// word sort - vocabulary Mini Lesson: building mind maps **Processing Tasks** I Must... I Could... I Can... I Need to... I Can Try to... Label the 2 Oragnize examples Choose a habitat Choose a Find the water different different of bodies of water - Add examples of on a picture of habitat kinds of water living things that - Fresh the Earth - Add examples live in there - salt of living things that live in there Αll Few Access Most Challenge **Transforming & Personalizing Activity:** Connect 1/Connect 2







## How does water impact living things?







## Our Goal Today!

I can learn about water

## Important Words

wetlands stream underground water

Indian Ocean

glacier

salt water

Arctic Ocean

river

dug out/pond

Pacific Ocean

Earth

fresh water

lake

Atlantic Ocean

Southern Ocean



I know these words!



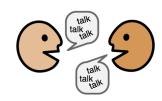
I'm not sure about these words.

## Your job...

Cut out the boxes on the black line



Talk to your partner, are these words you know or words you don't know?

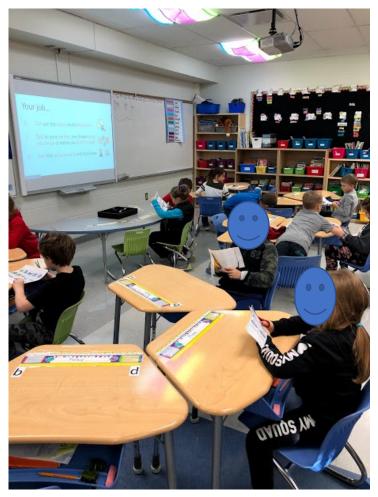


Sort the picture words into the boxes











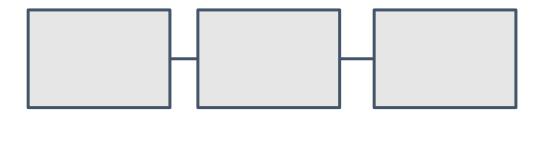


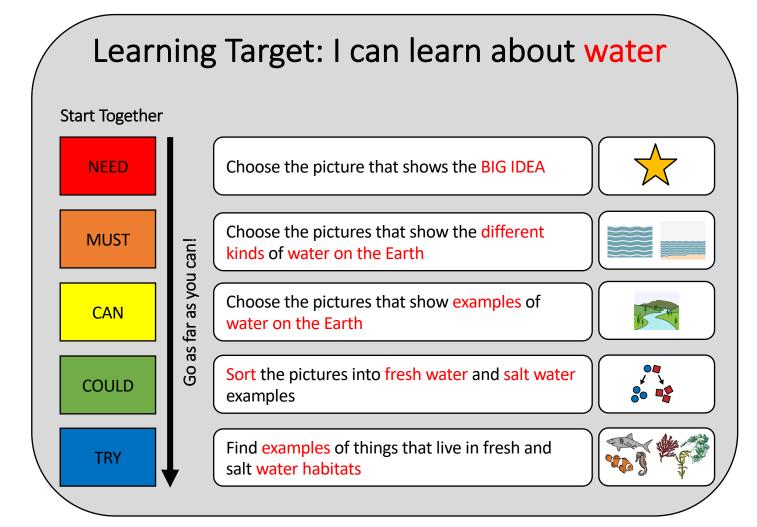
## What can we learn about water?

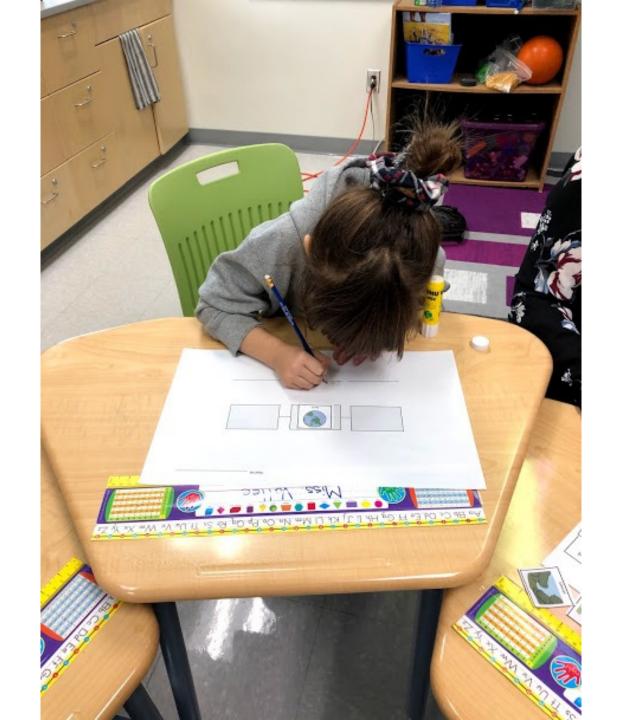
<u>Video</u>

## What can we learn about water?

Names:



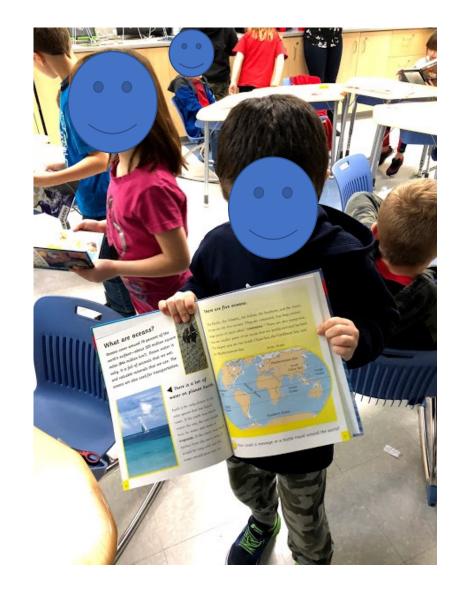


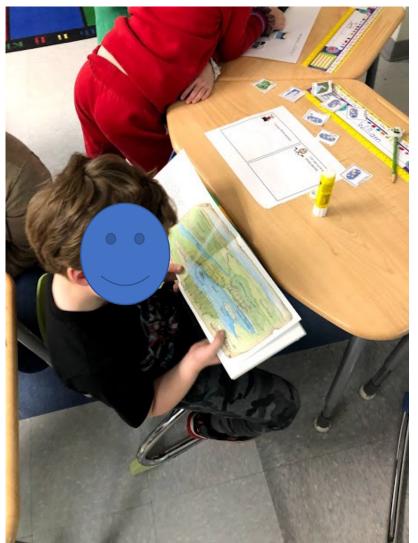








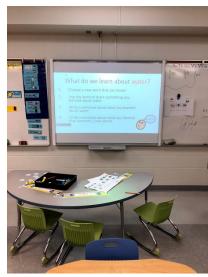


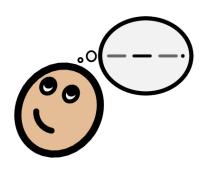




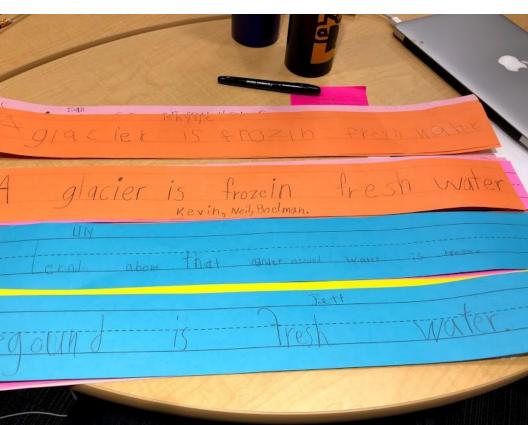
## What did we learn about water?

- 1. Choose a new word that you know!
- Use the word to share something you learned about water
- 3. Write a sentence about what you learned about water
- 4. Write a sentence about what you learned that connects 2 new words









# What is a takeaway from this example?

What other UDL principles are you noticing?

## English Grade 8

Example Unit & Lesson Plan

### **Backward Design Unit Planning Template: Building the Curricular Plane**

Grade:	Subject Area(s):	Planning Team:	
Big Idea: Questioning what we hear, read, and view contributes to our ability to be educated and engaged citizens.		Unit Guiding Question(s): How can I be active citizen? How can I use oral language to be an active citizen and my contribute to community?	
Content Goal	I know oral language features and strategies  I know elements of visual and graphic texts		
Curricular Competency Goal	I can construct meaningful connections between self, text and world		
Curricular Competency Goal	I can synthesize ideas from a variety of sources to build understanding		
Curricular Competency Goal	I can use writing and design processes to plan, develop, and create engaging and meaningful oral texts for a variety of purposes and audiences		
Curricular Competency Goal	I can assess and refine oral texts to improve their clarity, effectiveness, and impact according to purpose, audience, and message		

**Guiding Unit Question:** How can I be active citizen? How can I use a TED Talk to share a message that is important to me?

Guiding Unit Question: How can I be active citizen? How can I use a TED Talk to share a message that is important to me?

**Lesson Goal(s):** I know oral language features and strategies

I know elements of visual and graphic texts

Date

Connecting Activity: What is an active citizen (look/sounds), review vocabulary

Mini Lesson: What makes a POWERFUL TED talk? Model task with first 5 minutes of a Ted Talk

Processing Tasks  I Need to  Choose a Ted Talk and watch it. Figure out what the the speaker's message is	I Must Make a list about what the speaker does to keep you engaged. What does it look like, sound like feel like? What makes it powerful	I Can Choose a differnt Ted talk - Follow the same process	I Could Give feedback to the speaker on what they do well, and one thing that you think they could improve improve on	I Can Try to Respond to the ted talk with a connection, a question or an opinion about their message
Access	All	Most	Few	Challenge

**Transforming & Personalizing Activity: Exit slip** – If you were going to make a POWERFUL Ted Talk, what are something you would do? What would be a topic you would talk about?

#### **Supports**

- Proximity to N, scribe, strategic group members, check in, reassurance, redirection to prompts, task break down,
- Strategic locations, groups of 2 or 3, translated videos,
- Visuals, vocab review,
- Modeling, interesting ted talk,
- Pre teach vocabulary
- power point/ document camera
- Interesting ted talks
- Youth speakers
- Not too long videos
- About relevant issues

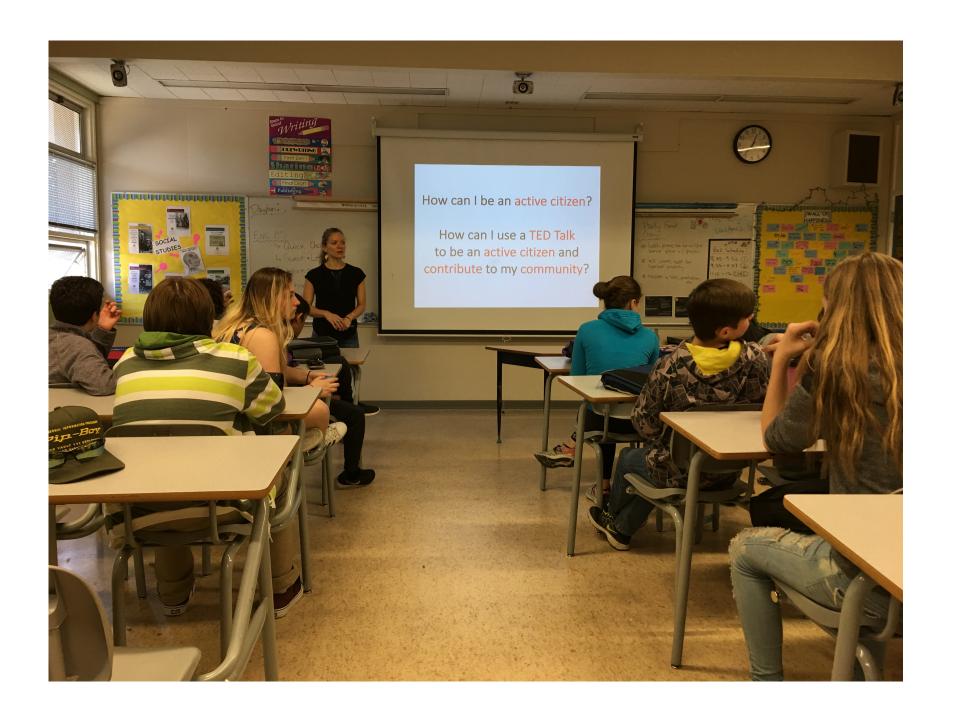
## Lesson

## How can I be an active citizen?

How can I use a TED Talk to be an active citizen and contribute to my community?

- active citizen
- TED Talk
- contribute
- community

# What do you think we are going to learn about today?



# Goals: I know what makes a powerful TED talk

## What makes a POWERFUL TED talk?

#### Start here!

# Go as far as you car

#### I NEED to

- choose a QR code, watch the TED talk
- notice what the message of this TED talk is

#### **I MUST**

- notice what this TED talk LOOKS like
- notice what this TED talk <u>SOUNDS</u> like
- notice what this TED talk FEELS like

#### **I CAN**

- analyze another QR code

#### **I COULD**

- make a connection, question or opinion about the Ted Talk

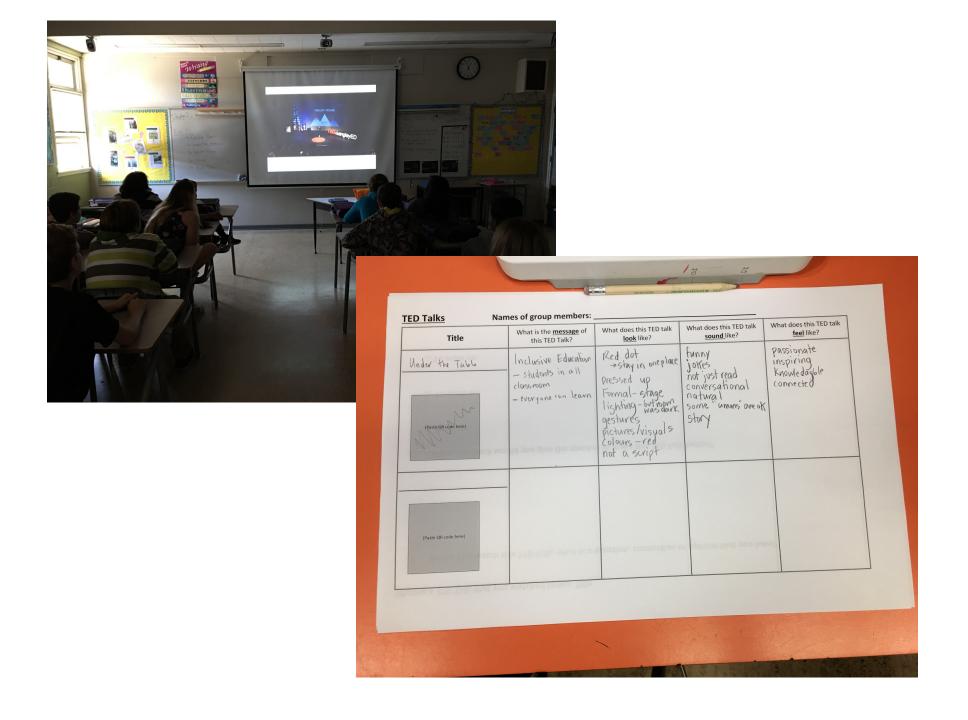
#### I CAN TRY TO

- offer some feedback to make the TED talk better

TED Talks

Names of group members: \_\_\_\_\_

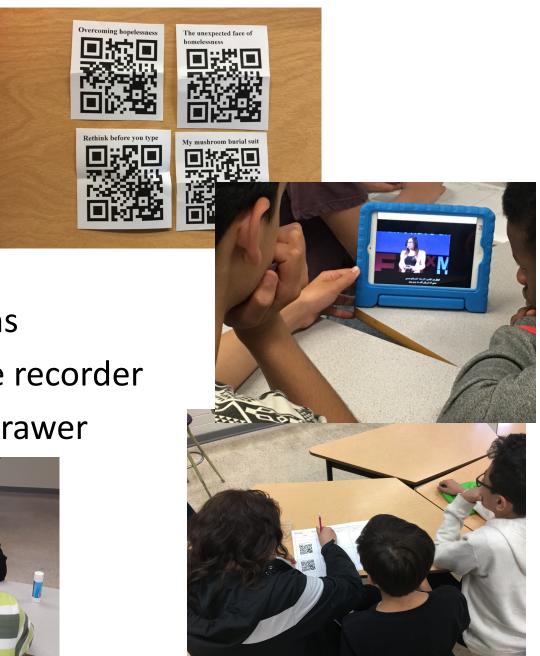
Title	What is the <u>message</u> of this TED Talk?	What does this TED talk <u>look</u> like?	What does this TED talk sound like?	What does this TED talk <u>feel</u> like?
Under the Table				
(Paste QR code here)				



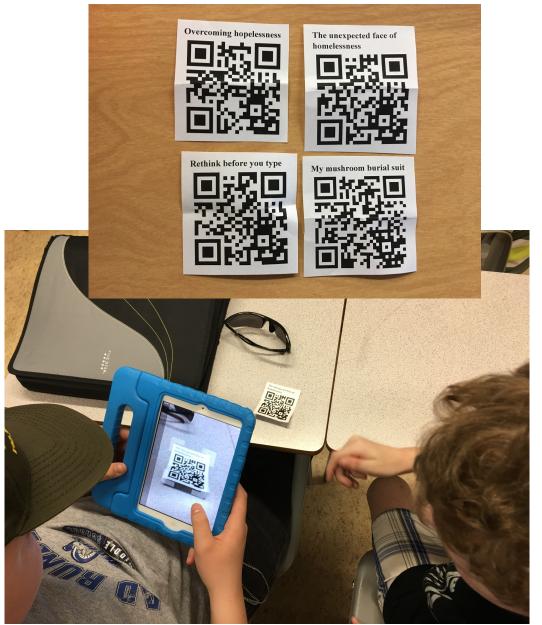
## Supports

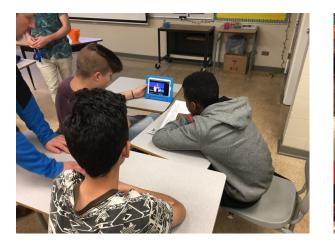
- Group work
- iPads
- QR codes
- Subtitles/translations
- Someone can be the recorder
- Someone can be a drawer

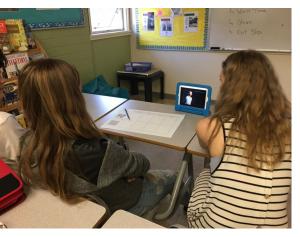




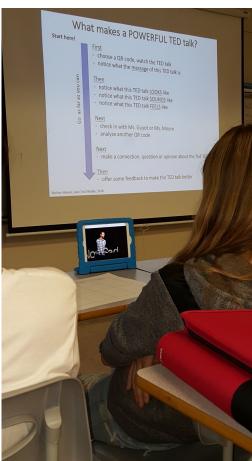




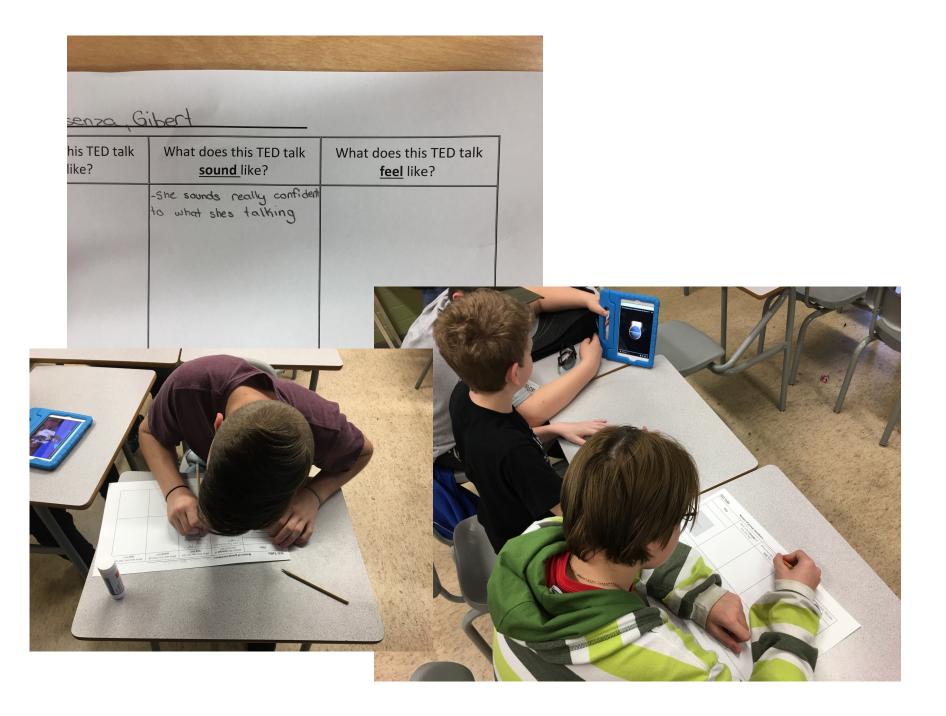












Names of group members: Eugle A, Savannah, Nuch

Title	What is the <u>message</u> of this TED Talk?	What does this TED talk <u>look</u> like?	What does this TED talk sound like?	What does this TED talk <u>feel</u> like?
Overcoming hopochessness	- Everyone Matters	· No Arms & legs	-Sad	-Depressed
Overcoming hopelessness	and life special			
回被回	-			
74 A				
(Paste QR code here)				
DESCRIPTION OF THE PERSON OF T	and the second of the last			

Names of group members: Adrian, Lasenza, Gibert

Title	What is the <u>message</u> of this TED Talk?	What does this TED talk <u>look</u> like?	What does this TED talk sound like?	What does this TED talk <u>feel</u> like?
The unexpected face of homelessness	- she talked about how	-The screen in the back was quate says "I bought him those Shoes because he didn't have any" -Showing a bunch picture	Krens what she's deing	-she makes you feel so inspired it made you somewhat emotional -never judge people by these cover
Rethink before you type				

Names of group members: Quinh, Marrison Air

Overcoming hopelessness	wild is the message of	What does this TED talk  look like?  -Dark  -no limbs  - screen behind him	What does this TED talk sound like?  - inspiring emotional Porosfull - Bave	What does this TED talk  feel like?  -inspiring -emotional Pores C1 -Sad -like you are the only one there
(Paste QR code here)				

Names of group members:

Title	What is the <u>message</u> of this TED Talk?	What does this TED talk look like?	What does this TED talk sound like?	What does this TED talk <u>feel</u> like?
Rethink before you type	Rethink about what you say How we need to think what we say, what we do, or post	visuals young relavant red dot Presentable Dark room easy to focus	young Smart Calming Clapping Cheering Cleanly Spoaking	inspiring astonishing life changing upsetting
(Paste QR code here)				

Title	Names of group members  What is the message of	What I	rick	
The unexpected face of homelessness	The massage of this TED talk is that if we keep imagining the sterretypical homeless person	What does this TED talk  look like?  Rough living  Lego  Pittices  -colourful  -successful  -fancy professional  confident	-she has an accent -clean -confident	What does this TED to feel like?  Feels - believed in herself - stage fright - nervous - tired
(Paste QR code here)	nave a home			

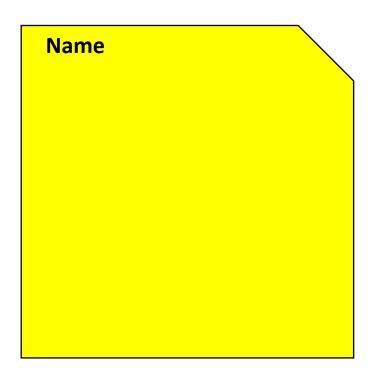


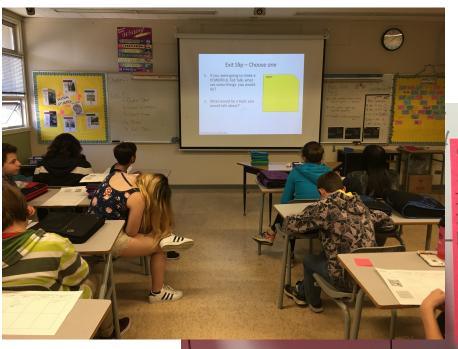
ED Talks Names of group members: Rylee, Lane Dart.						
Title	What is the <u>message</u> of this TED Talk?	What does this TED talk <u>look</u> like?	What does this TED talk sound like?	What does this TED talk feel like?		
Over coming Hopelessness	Don't look down on yourself  Stay hopeful.  Don't let your boks discourage you.  There are no limits, even if you're different looking, cultured or gender.	Dark settings He was on a table.	Aastralian He sounded like Thor A Facused opered audience.	Hopeful D. / LGIL		
(Paste QR code here)						

### Exit Slip – Choose one

1. If you were going to make a POWERFUL Ted Talk, what are some things you would do?

2. What would be a topic you would talk about?





#### amms are of

Calleigha:

I. I would make it so
I know all my facts, that
I make clear points, make
People interested

2. My topic would be about bullying and my experiences

Patrick

-to make people think

about the topic

-be relateable

-teach new things

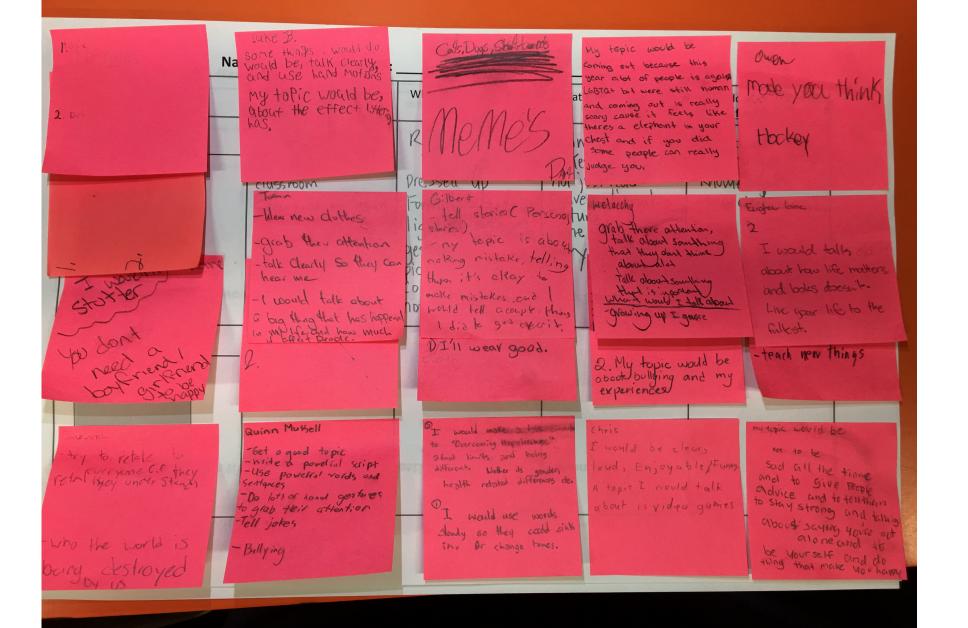
Twould make a talk cinaria
to "Overcoming Hopelessness"
a book limits and being
different. Welher its gender,
health related differences de.

"I would use words stake stoody so they could stake the Dr change tones.

Chris

I would be clears loud, Enjoyable/Funny A topic I would talk about is video games my topic would be

sud all the time and to give reople ordice and to tenthem to stay strong and talking about saying your not allowed that make yourself and do thing that make you happy



# What is a takeaway from this example?

What other UDL principles are you noticing?

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