

# **FLO FRIDAY** - UDL for Intentional Design

Hosted by Helena Prins, Advisor, BCcampus Facilitator: Taruna Goel

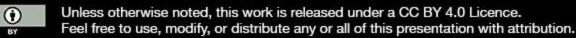
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Since time immemorial, the salilwata? tamax (Tsleil-Waututh), Skwxwú7mesh-ulh Temíxw (Squamish), x<sup>w</sup>məθk<sup>w</sup>əyəm (Musqueam), WSÁNEĆ (Saanich), and the Esquimalt and Songhees Nations of the Lakwanan (Lekwungen) Peoples have walked gently on the unceded territories where we are grateful to live, work, and play. We are committed to building relationships with the first peoples here, based in honour and respect, and we thank them for their hospitality.



#### Taruna Goel

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"Choice Gives Voice" - Andratesha Fritzgerald



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### Agenda

- Intentional design using UDL
- Applying UDL Group Activity
- Reflection
- Next Steps

#### **Intentional Design**



#### **Universal Design**

"Universal Design is the design of products and environments to be usable by all people, to the greatest extent possible, without the need for adaptation or specialized design." - Ronald L. Mace

#### **Universal Design for Learning**

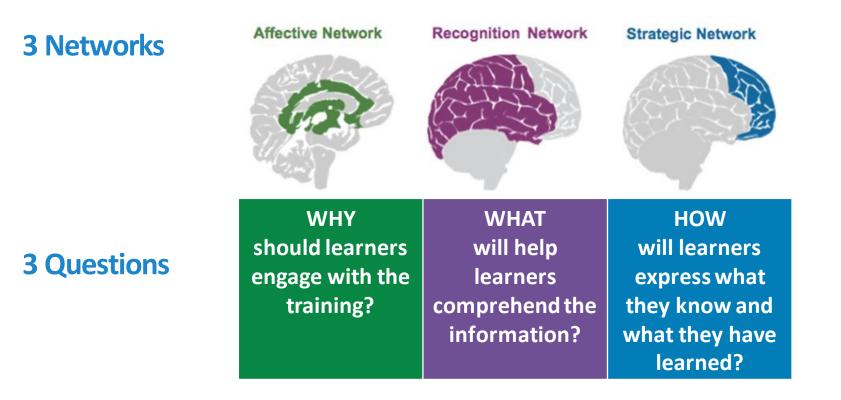
"Universal Design for Learning (UDL) is a framework to improve and optimize teaching and learning for all people based on scientific insights into how humans learn." - David H. Rose, CAST



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#### **UDL Framework**



**3 Principles** 

- Provide Multiple Means of Engagement
- Provide Multiple Means of Representation
- Provide Multiple Means of Action and Expression



**Purposeful & Motivated** 

Resourceful & Knowledgeable

Strategic & Goal-Directed

udlguidelines.cast.org | © CAST, Inc. 2018 | Suggested Citation: CAST (2018). Universal design for learning guidelines version 2.2 [graphic organizer]. Wakefield, MA: Author.

### Multiple Means of Engagement



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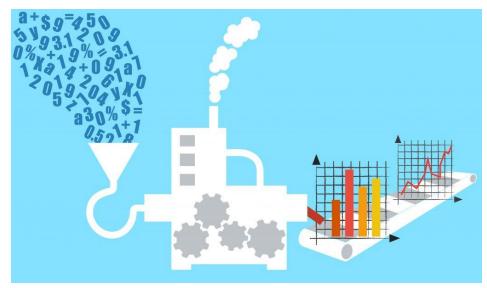
For purposeful, motivated learners, stimulate interest and motivation for learning.

- Provide options for recruiting interest
- Provide options for sustaining effort and persistence
- Provide options for self-regulation

#### **Examples**

- Provide choice in setting personal goals and get learners to participate in the design of the training
- ✓ Make sure the goals are authentic and relevant
- Use real-life case studies and scenarios; make sure the activities can be personalized and contextualized
- Provide a safe learning environment where learners have a choice in the level of perceived challenge by changing the degree of complexity or difficulty
- Vary the level of engagement required by including self-paced tasks along with cooperative tasks
- Allow for active participation, experimentation and reflection
- Includes methods and practices to provide feedback that is frequent, timely, and specific
- Provide coaches or mentors and encourage critical reflection

#### Multiple Means of Representation



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For resourceful, knowledgeable learners, present information and content in different ways.

- Provide options for perception
- Provide options for language, mathematical expression, and symbols
- Provide options for comprehension

#### **Examples**

- Design accessible course materials
- Offer ways of customizing the display of information
- Provide visual diagrams, charts, notations of music or sound to support auditory content and information.
- Provide descriptions (text or spoken) for all images, graphics, video, or animations
- Illustrate through multiple media such as graphics, podcasts, videos, etc.
- Activate prior learning and make connections with new information
- Chunk information, progressively release information and use graphic organizers and concept maps
- Provide multiple entry points to a lesson and optional pathways through content

#### Multiple Means of Action & Expression



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For strategic, goal-directed learners, differentiate the ways that students can express what they know.

- Provide options for physical action
- Provide options for expression and communication
- Provide options for executive functions

#### **Examples**

- Allow multiple formats for demonstrating knowledge
- Incorporate a variety of assessment formats/ assessment strategies
- Provide scaffolding and gradually remove these scaffolds to increase independence and skills
- Provide differentiated feedback that is customized to individual learners
- Ask questions to guide self-reflection
- Provide opportunities for self-assessment
- Include coaching and mentoring activities that model thinking out loud and sharing your work

#### **Breakout Room Group Activity – Case Studies**

Choose a case study and join a group:

- □ Case Study "A" Trades Training (A-TT)
  - Join Group 1 <u>OR</u> Group 2
- □ Case Study "B" High-Ed Humanities (B HEH)
  - Join Group 3 OR Group 4
- □ Case Study "C" Workplace Learning (C-WL)
  - Join Group 5 OR Group 6
- □ Case Study "D" High-Ed STEM (D-HESTEM)
  - Join Group 7 OR Group 8
- □ Case Study "E" K-12 Classroom (E-K12)
  - Join Group 9 OR Group 10

#### **Using Jamboard**

FLO UDL Scenarios		< 1/5	(B+) 🙆				
ち さ Q - Set backgrou	und Clear frame	, T					
•	UDL Case Study "A" – Trades Training André works at the Community Education De supports community-based education and tra in trades. Courses are delivered both on an organizations. André is the senior instructit delivery of the Construction Foundation Pre encourage women to enter the construction format with both in-classroom and on-the-j Construction Foundation program, candida Training Authority and are ready to start wo	aining specifically targeted to in A-TT- Group 1		< <u>1/4</u> ] >	•		
■ ○· 译	André has been asked to redesign one of the Equipment". The course introduces studen equipment used by residential construction the construction workplace. The course is by a Red Seal instructor. There are some extensive, theoretical content, the instructor course hasn't been positive. The participant gender roles and expectations and someha women. Even though the content is relevan challenging both for the instructor and the participants' understanding accurately and The case study by Tanua Ged & Castlee Cyre Is Record under Cesten		Click the Sticky note gation on the Tobacci to describe a barriers to the straining Use 3 set for the Samriers identified and tack identified and tack 3.	Top 3 Barriers to Learning	3.		
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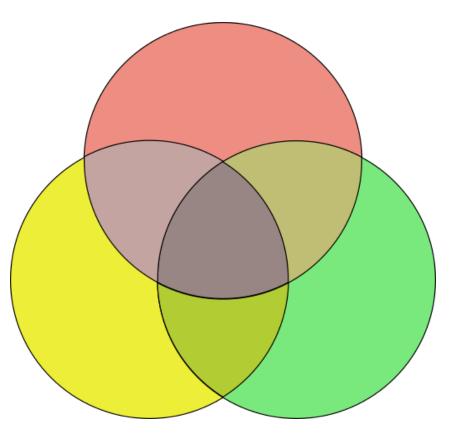
#### Discussion



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- Provide Multiple Means of Engagement
- Provide Multiple Means of Representation
- Provide Multiple Means of Action and Expression

#### **Intersections of UDL**





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#### **Summary & Next Steps**

- Use the UDL Guidelines to intentionally design the goals, methods, and materials and assessments.
- Provide options for Engagement, Representation, and Action and Expression
  - Start with a **specific learning goal** & **identify barriers**
  - Use the Plus One Approach

#### Minimize barriers; maximize learning.



#### Taruna Goel

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## Thank you everyone!

