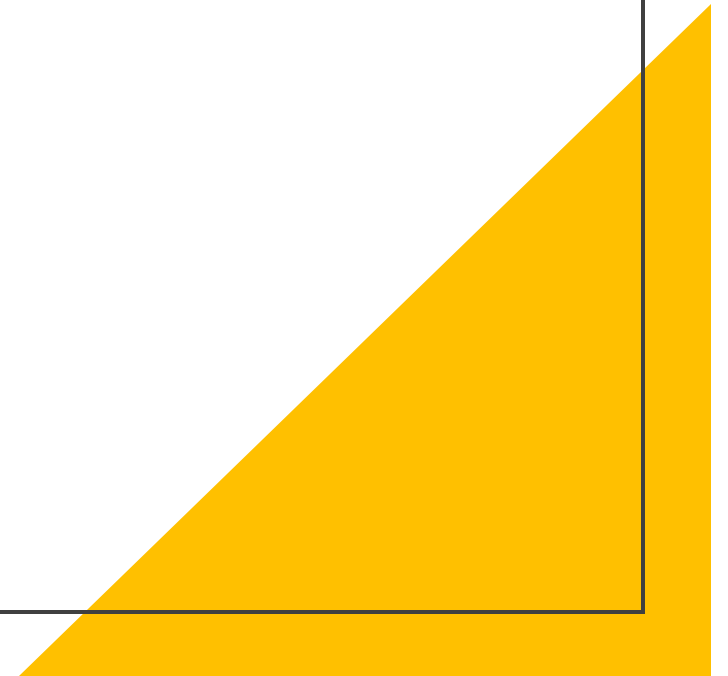


Universal Design for Learning

Louise Glynn



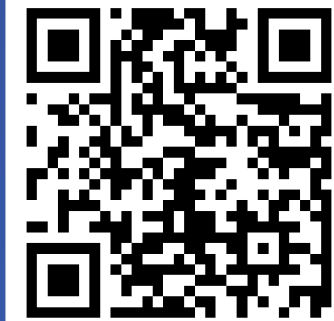


Universal Design (UD)

- The design of products and environments to be useable by all people, to the greatest extent possible, without the need for adaptation and specialised design.

The Universal Design File: Designing for People of all Ages and Abilities.
Story, Mueller & Mace, 1998.

Good Universal Design?



Join at
slido.com
#3469 693



Who is affected?

- Wheelchair users
- People using canes or crutches
- People with low vision
- People who are blind
- People who are distracted
- Parents with prams
- People on skates/bikes/etc

Problems with the Design

- **STEP COLOURS** - It is very difficult to distinguish where one step ends and the other begins; no contrasting strips to signify the edge of the step, dangerous for the vision impaired.
- **HANDRAILS** - There are very few handrails. It is good that there are some, but more handrails would be better. If you can walk but are unsteady on your feet, you must either walk to one end of the stairs or the other to find handrails....
- **NO FLAT LANDING**
- **UNEVEN HEIGHT OF RISERS**
- **STEEP RAMP** - A steep slope requires quite a bit of strength to go up. And a good amount of control to go down. This is true of wheelchair users in manual wheelchairs, people using canes or crutches, parents pushing prams, or kids on skates.



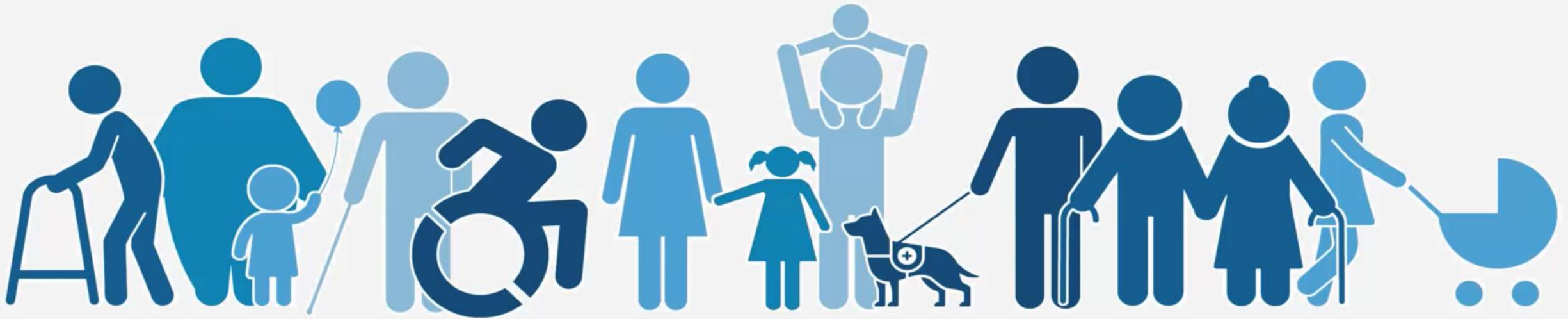
Moral of the story

- “before investing lots of money building some cool universal design installation, you’d better talk to actual disabled people, and let them test it”

<https://www.davidmperry.com/adventures-in-university-design-tha/>

Universal Design for Learning (UDL)

- UDL is a research-based framework that promotes inclusive and accessible learning environments.

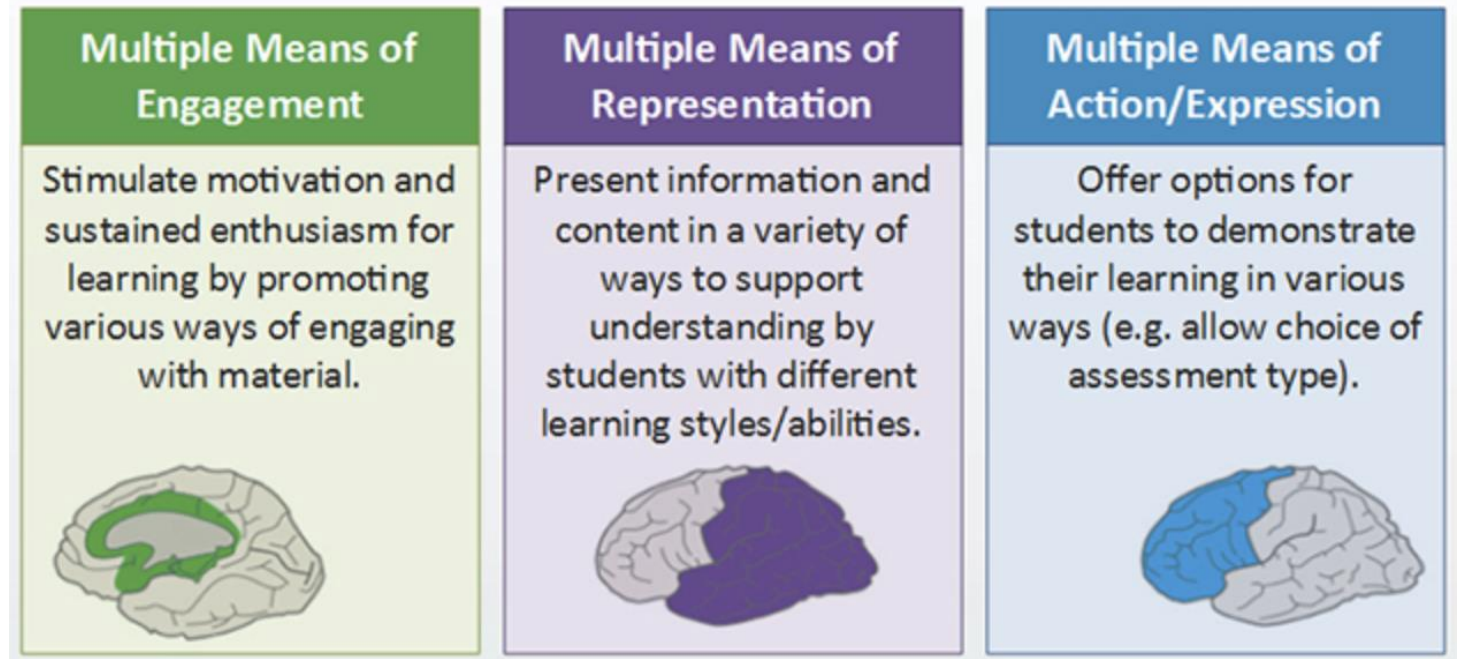


UDL = UD Applied to Teaching and Learning

Principles of UDL

UDL includes providing multiple means of:

- engagement
- presentation
- action & expression



<https://www.ahead.ie/udl-framework>

https://www.youtube.com/watch?v=AGQ_7K35ysA&t=161s

Provide options for Engagement

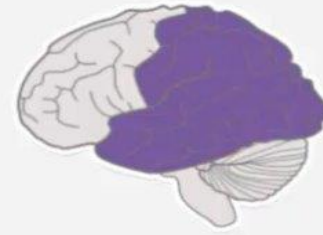


Why?

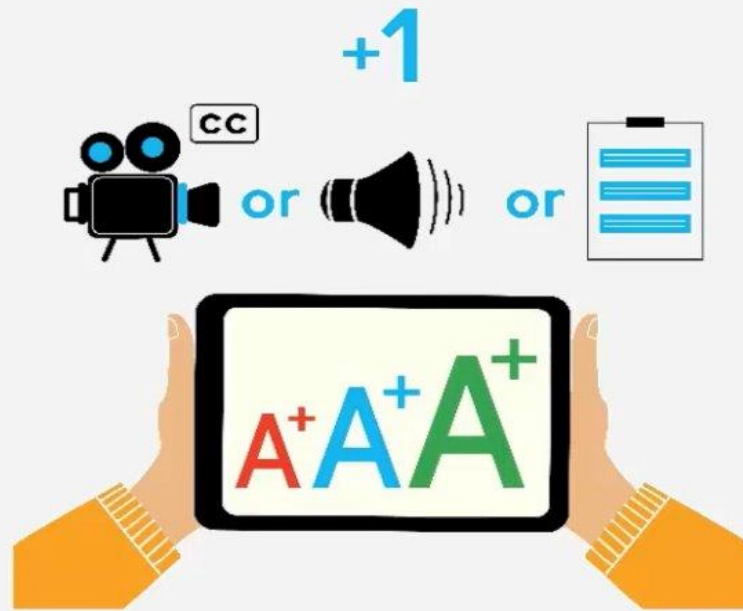


Goal: To Develop Purposeful and Motivated Students

Provide options for
Representation



What?



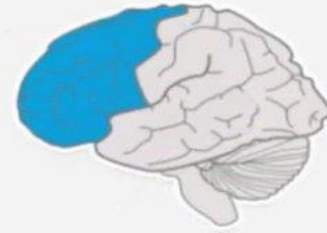
Goal: To Develop Knowledgeable and Resourceful Students

How do you
think lecturers
could be more
inclusive?

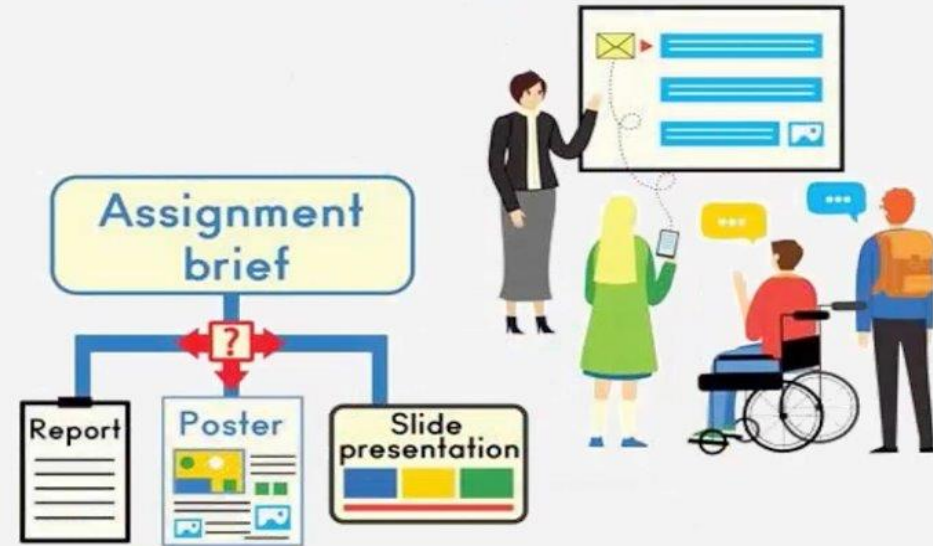


Join at
slido.com
#3469 693

Provide options for Action & Expression



How?



Goal: To Develop Strategic and Goal-Directed Students

How do you
think IADT
could be more
inclusive?




Join at
slido.com
#3469 693

Benefits of UDL

A 3D rendered figure of a person stands in the center of a dark, complex maze. The maze is composed of various rectangular blocks and pathways, creating a sense of depth and challenge. The lighting is dramatic, with strong shadows and highlights, emphasizing the geometric structure of the maze. The person is a simple, dark silhouette, standing on a path that leads through the maze.

UDL reduces barriers, supports independent learning, and fosters creativity and innovation.

A large, bright yellow triangle is positioned in the bottom right corner of the slide. It is a solid, equilateral triangle pointing towards the top right. The background of the slide is a dark, textured surface with a grid-like pattern of rectangular blocks, similar to the maze in the image above.

Challenges of Implementing UDL

Implementing UDL effectively can be challenging and requires careful consideration.

Conclusion

- UDL is a powerful framework that promotes equal access to education and enhances the learning experience for all students.