

Universal design overview



Session aims



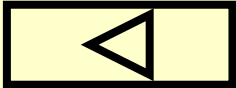
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Session aims

Origins of universal design

What is universal design

Universal design in education





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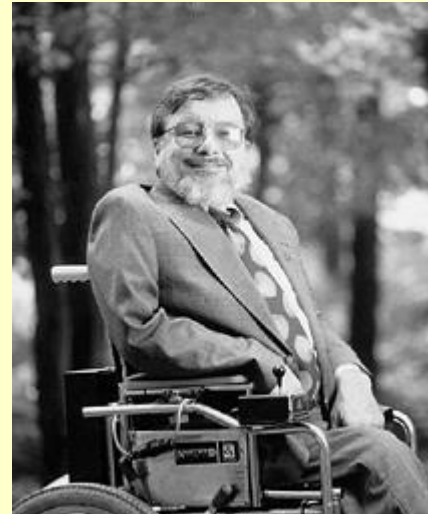
Universal design in education

Ronald Mace

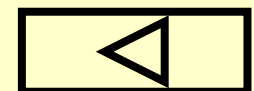
Drivers of universal design

Origins of universal design

- The concept of universal design was popularised by an American architect Ronald L Mace (1947-1998)



- Initially it referred mainly to the design of accessible buildings, but over time it has also been applied to products and services.





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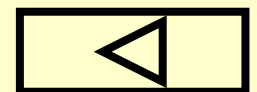
Universal design in education

Definition of universal design

Principles of universal design

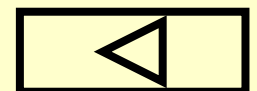
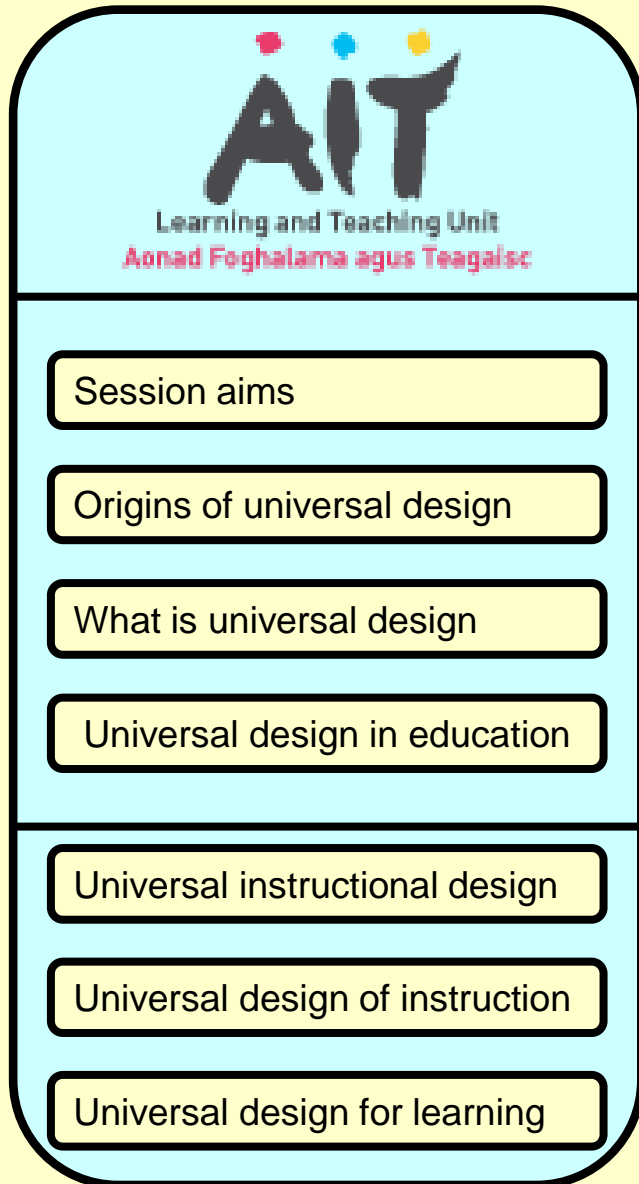
What is universal design

- 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” (North Carolina State University, 1997).



Universal design in education

- The following are the three main models of universal design specifically related to learning.
- Universal instructional design (UID)
- Universal design of instruction (UDI)
- Universal design for learning (UDL)





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Ronald Mace

Drivers of universal design

Drivers of universal design

- Legislative



- Political forces



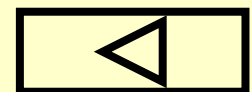
- Attitudinal



- Technological advances



- Economic





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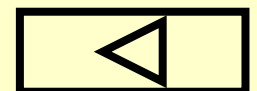
Universal design in education

Definition of universal design

Principles of universal design

Principles of universal design

- Principle 1: Equitable use
- Principle 2 : Flexibility in use
- Principle 3: Simple and intuitive use
- Principle 4: Perceptible information
- Principle 5: Tolerance for error
- Principle 6: Low physical effort
- Principle 7: Size and space for approach and use





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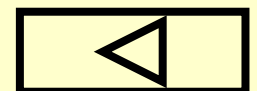
Universal instructional design

Universal design of instruction

Universal design for learning

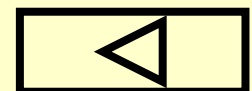
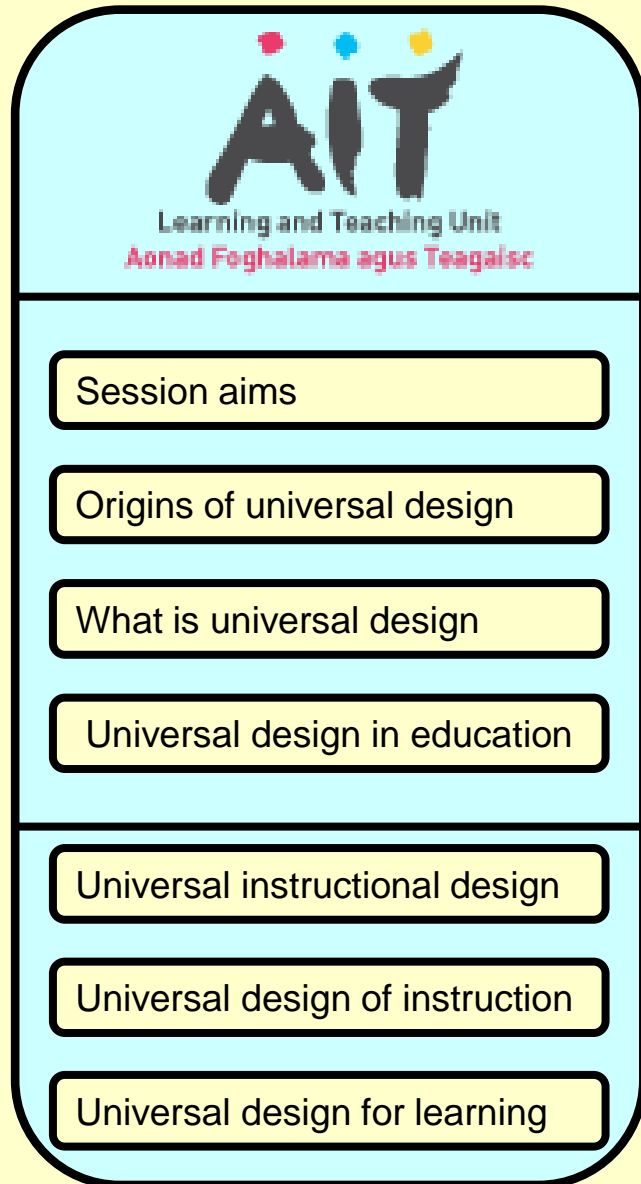
Universal instructional design (UID)

- The focus of UID is the elimination of barriers to teaching and learning (Higbee & Goff, 2008)



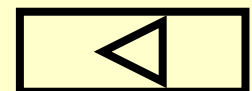
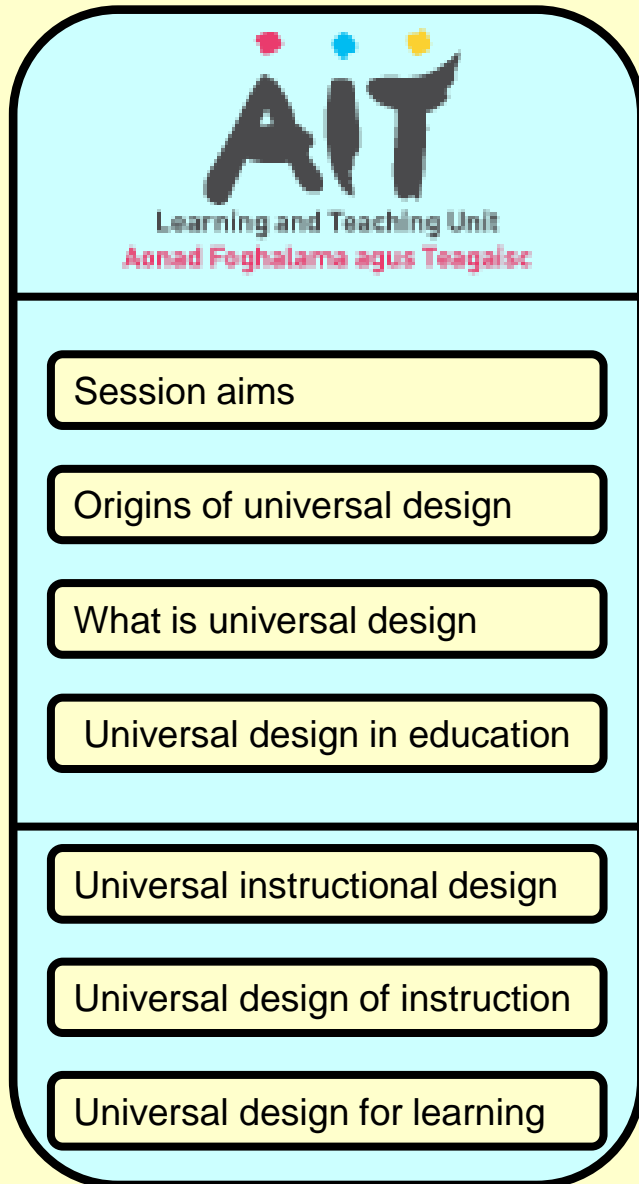
Universal design of instruction (UDI)

- This is a model for the design of instruction, learning environments and products which are usable by all learners to the greatest extent possible (Burgstahler, 2009)



Universal design for learning (UDL)

- The focus within UDL is on curriculum (Meyer, Rose, & Gordon, 2014)





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Discussion

