Universal Design for Learning

What was, What is, and What Can Be and A Case Study

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UD

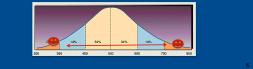






UDL From the Margins to the Whole

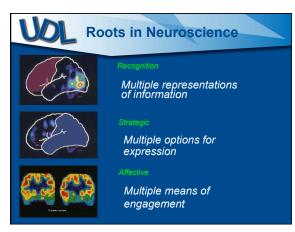
- From the context of creating responsive learning environments for students with disabilities
- To the focus on enhance learning opportunities for <u>all</u> students



UOL Roots in Architecture

A Universal Design approach is simply more practical, elegant and effective, since it is always better to build in flexibility from the beginning, rather than try to add it on later.







Three Principles

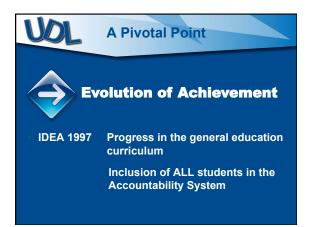
Universal Design for Learning calls for ...

- Multiple means of representation, to give learners various ways of acquiring information and knowledge
- *Multiple means of expression*, to provide learners alternatives for demonstrating what they know
- *Multiple means of engagement,* to tap into learners' interests, offer appropriate challenges, and increase motivation.



Universal Design for Learning

What is...



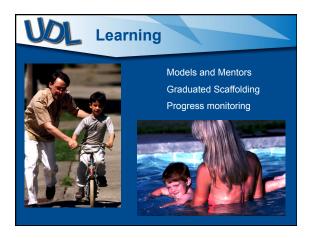
UDL as a Curricular Initiative

Recognizes and attempts to eliminate the disabling features in Curricula:

- WHO they can teach
- WHAT they can teach
- HOW they can teach
- Preparing students for their future





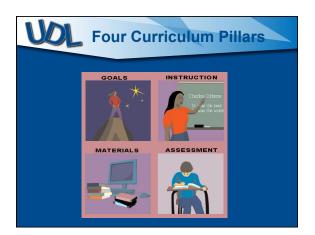


UDI

"UDL seeks to decreasing unacceptable challenge while maintaining acceptable challenge" CAST believes that "barriers to learning are not, in fact, inherent in the capacities of learners, but instead arise in learners' interactions with inflexible educational goals, materials, methods, and assessments." Teaching Every Student in the Digital Age, p. M

UDL Universal Design for Learning

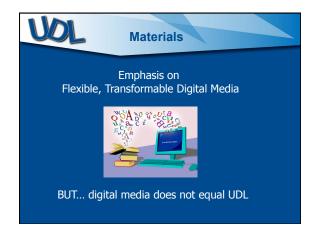
- ✓ Reduces barriers in instruction
- ✓ Provides appropriate accommodations, supports, and challenges
- Maintains high achievement expectations for all students





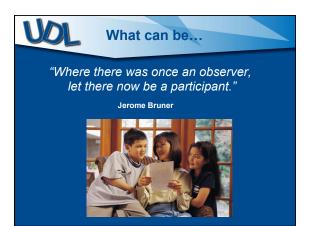


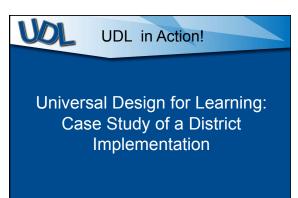




The UDL Elevator Speech

- Is a framework for ensuring access, participation and progress in the general education curriculum
- Assumes and plans for diverse student strengths and needs
- Places emphasis on using digital technology and other strategies and materials to support diverse learners
- Includes assistive technology for some
- Is not limited to high tech environments







Wixed Messages from the Field

- Universal Design for Learning (UDL) provides a blueprint for creating flexible goals, methods, materials, and assessments that accommodate learner differences. (CAST)
- Universal is about optimal access for the widest range of students (Thompson, et al., 2002)

Mixed Messages from the Field

• UDL is a research-based model for curricular design that ensures participation in the general educational program of all students, including those with disabilities (CAST, 2007)

UOL Mixed Messages from the Field

Universal design for learning means a *scientifically valid framework* for guiding educational practice that –

- (A) provides flexibility in the ways information is presented, in the ways students respond or demonstrate knowledge and skills, and in the ways students are engaged; and
- (B) reduces barriers in instruction, provides appropriate accommodations, supports, and challenges, and maintains high achievement expectations for all students, including students with disabilities and students who are limited English proficient.

Mixed Messages from the Field

- · Technology is essential for implementing UDL (Edyburn, 2010).
- UDL is about the pedagogy, or instructional practices, used for students with and without disabilities (King-Sears, 2009).
- UDL is about reducing reliance on print based instructional materials (Pisha & Stahl, 2005).

Mixed Messages from the Field

 Universal Design is just "good teaching" (Thomas Hehir, personal communication, 2009)

UDI Study Objectives:

- · To provide a in-depth description of UDL in practice.
- · To gain an understanding of UDL implementation at a district level.
- To explore the impact of UDL for students with special education needs and for all students.

UD **Case Study Analysis**

· A systematic approach to understanding qualities, or the essential nature, of a phenomenon within a particular context. (Brantlinger et al., 2005)

"Greater St. Albert Catholic schools is a welcoming Christ-centered learning community that awakens the hearts and minds of students

The Case

to God while educating and nurturing each to work, live fully, and serve others"

UND

The Case

- St. Albert, Morinville and Legal all located north of Edmonton, as well as portions of the rural areas surrounding these communities
- Formed January 1, 1995 third largest Catholic school jurisdiction in Alberta

Why GSACRD?

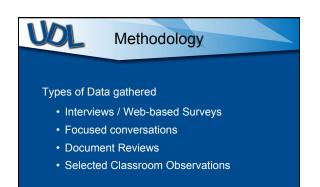
- I have a long standing relationship with the district
- I am familiar with their work towards implementation of UDL
- · Proximity to Edmonton
- Nominated for their Universal Design for Learning (UDL) Initiative for the ASBA 2009 Premier's Award for School Board Innovation and Excellence

UOL

Methodology

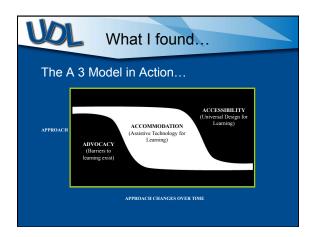
Data Sources

- Learning Support Team (leadership)
- School Administration
- Learning Support Facilitators
- Selected Classroom Teachers





- Deductive themes that are consistent with UDL as discussed in the literature
- Inductive themes/issues that arise from the data but may or may not be present in current literature





Advocacy...

- District driven by social justice "catholic means Universal"
- District with historical practice of inclusive education

Advocacy...

- School district personnel felt that they had hit a wall in terms of inclusive practice.
- Looking for a new approach to support authentic inclusive education

The Power of the Team

- A *team* comprises a group of people linked in a common purpose.
- Teams are especially appropriate for conducting tasks that are high in complexity and have many interdependent subtasks.

Wikipedia





Enabling District Initiatives

- Merger of Spec. Ed, Instruction, Curriculum & Technology Teams
- Reducing policy barriers e.g. creative use of funds
- Centralized Decision Making
- Distributed Learning

Values based approach

Accommodation (Assistive Technologies)

Beginning with needs of Individual Learners

- Being attentive to the learning needs of each student then finding them the corrective assistance.
- Understanding our learners to provide the right tool

L Enabling Initiatives

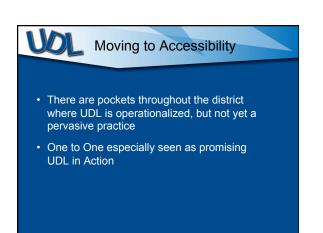
- Scanning Resources (Novels & Books)
- Access to AE Digital Repository
- Training and PD around UDL
- Building District Data Base of AT
- Inclusive Education
- Classroom Support Facilitators

UOL Enabling Initiatives

- RWG District Licensing
- Assistive Technology support beyond RWG (e.g. CoWriter)
- Pervasive Interactive White Board
- Emerge One-to-One Project
- Wireless Learning Environments
- Supporting Student Owned Devices
- Pilots of Emerging Technologies (iTouch)

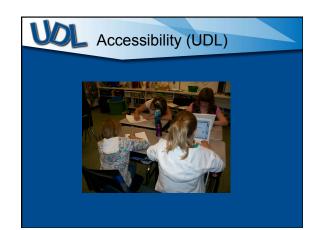


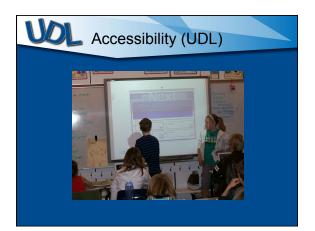
- students with disabilities (linked to AT)Teacher UDL practice may be more
- focused on use of technology than on programs of study



Moving to Accessibility

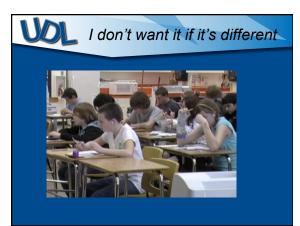
- I would say that total UDL implementation is only fully happening/possible in the 1:1 laptop classrooms as that is the only place where students have continuous access to the tech.
- Thus, despite an understanding of UDL theory teachers would not be able to implement it beyond the ATL level.











UOL Emerging Themes

- Assessment, especially provincial assessment practices are seen as a deterrent to infusing UDL practices in the classroom
- Positive outcomes are assumed based on perceived student engagement & perceived student success

UD

- Difficult... how do we transfer that to assessment
- Hope it will transfer to our more traditional assessments
- Would love to have a rubric... but that is just not where I am ... TIME

UOL

- Confidence and willingness to try tasks that once seemed impossible
- Greater overall engagement
- Less behavior issues

UD

- Students are happier to be included, more successful, more independent
- I believe it has allowed students to learn outcomes not available to them before.

UDL in GSACRD is...

- · Primarily a technology initiative
- An extension of Differentiated Instruction
- Established in pockets, primarily early grades and one-to-one classes
- · Emerging in other places

UDL in GSACRD is...

- Becoming more proactive (more accessibility less need for accommodation)
- Best understood at district level closer to classroom, less well understood

UDL in GSACRD is

- · Linked to 21 Century learning
- A driver of change in the district
- A catalyst for staff enthusiasm and reinvigoration

UOL

UDL in GSACRD is challenged by:

- Traditional assessment practices
- Teaching resources (formats and accessibility)
- Teacher "KSAs"- mostly attitudes
- Access to technology
- Time

UDL must make DI Doable...

- Wish you could just make these lessons all the time... still up to you (teacher) to gather it together
- Collaboration helps but it is just not that easy...

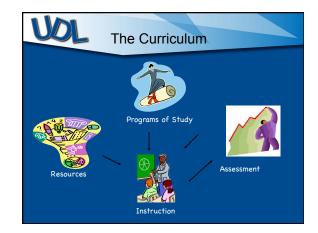
UOL The DI/UD Dance

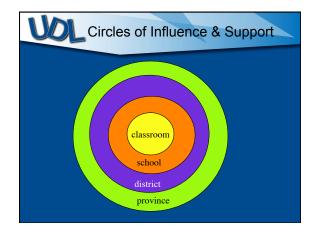
Universal Design for Learning is PROACTIVE Design

Differentiated Instruction is RESPONSIVE Instruction

UOL District thoughts...

- I DO think that where we are at in the division is to work further this year with teachers in terms of "Planning for diversity" at the OUTSET of the lesson plan process instead of planning for 1 student at a time.
- Now the focus needs to be on classrooms -to aid them in their problem-solving to reduce barriers to curricular access for kids.





UOL Questions that remain...

- Documentation of benefit to students with disabilities? Others?
- Links to programs of study UDL in action was very activity based
- Systemic planning around UDL Framework...
 work in progress
- Clarity in terms of district plans and services.... Emerging

UOL Future Considerations...

- IF we want to investigate UDL we have to understand what it IS and what it is NOT...
- · What are critical features of UDL?
- Should UDL be considered as classroom practice or as instructional design?
- What needs to happen at the district, school and even provincial level?
- Does it "work" and for whom?

Must be about outcomes!

In essence UDL outcome measurement must account for student performance in authentic 21st century learning environments...

Evaluating at teacher's ability to implement UDL with a *certain level of fidelity* is critical to providing evidence that its design principles and model are entwined with performance outcomes.

Basham & Gardner (2010)



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