UDL in Teacher Preparation Programs

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Introductions

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Who are you interactive poll?

University faculty

Classroom teacher

Professional development provider

Person with a disability

Advocate

Parent/family member

UDL Newbie

UDL Enthusiast

Using Nearpod
Presentation Goals

Interact with us using various educational technology tools that demonstrate principles of UDL

- Representation
- Action & Expression
- Engagement
- Assessment

Learn about how various tools are implemented within teacher preparation courses and modeled for use in preK-12 schools

Discuss additional tips for incorporating UDL into teacher preparation
Rate your knowledge and use of UDL

Nearpod Interactive Draw It Slide

Nearpod Interactive Open-Ended

Question: Which educational technology/apps do you use in your work?
Pros of Nearpod

Excellent for education

Teacher candidates are easily bored/disengaged with lecture after full days of fieldwork

Demonstrate technology they can use in their own classrooms

Representation, Engagement, and Action & Expression

Interactive activities available within free version of app

Immediate formative feedback for each student

Create or use existing slides (e.g., PPT or Google slides) and import into Nearpod
Caveats and Considerations

Audio plays on each individual device

Recommend headphones or for students to mute and you project presentation

Paid/upgraded version needed for several features

Homework sessions

More than 30 students connecting at same time

Use of multiple YouTube videos, Fieldtrips, PDF viewer

Extra storage for each lesson or multiple lessons

No recording of presentation; no writing over the app during presentation
Maximizing Student Engagement with Nearpod

App is designed specifically to engage students in learning

Individual responses to each interactive element

- Poll (one question)
- Quiz questions (multiple questions)
- Open-ended questions
- Draw-It responses
- Fill in the blank
- Memory test
Choice-based Assessments

Used for weekly/bi-weekly Reading Checks

Gauge students’ understanding and application of course content

Accountability for reading

Model use of choice: Action & Expression, Engagement

20+ choices, with option to propose their own

Continually add expectations to each

Students must try at least 3 different methods before the end of the semester

Out of comfort zone
Reading Check Description and Examples

Interactive Nearpod Slides

See Google drive folder for documents: Link to Folder
Google Apps for Interactive Activities

Learning Stations

Station 1: Lesson Plan Analysis: Link to Folder
Station 2: A Deeper Look at the Principles Google doc with active links to videos: Link to Document
Station 3: Applying the Principles: Link to Document

Collaborative Slide Presentations

Provide outline of slides; students complete in groups

Suggest dividing up slides per group into separate presentations, then instructor combines slides again

Students get really frustrated as slides move around or other groups delete their content :-/
Other Recommendations

Rubrics are your friend!

Choice assignments for other work

Choice due dates

Students determine when to submit assignments

Specific due dates, but students determine which assignments to submit

Flexible late work policy

Consideration for A/100% of points: On time

Consideration for B/85% of points: no more than 3 weeks passed deadline
Link
Provide options for perception

Start with the documents!
Provide Options for Comprehension
Teach specific digital strategies
Provide options for sustaining effort and persistence
Provide options for self-regulation

- Timelines
- Provide a ways in which people can self reflect (create their own rubrics)
- Note takers, agendas
Support around self regulation

- Go on a Quest!
- Weekly, pass/fail
- Goal: stay connected
- Fun, creative cognitive load
- Drawn from game theory – Jane McGonigal
Provide options for expression and communication
Speaking of communication “Distance”

• How available should professors and other professionals be in digital space?
Provide options for executive functions

I can climb mountains, jump from great heights, travel for days.

but there's a guy behind me who does the same with a camera in his hands.
Provide options for recruiting interest

Connect course objectives to assignments and content with transparency. Give students choices whenever possible when interacting with both objectives and content.
Rubric Example to look for Barriers

<table>
<thead>
<tr>
<th>Make sure the lesson has goals, methods and assessment</th>
<th>Identify where there was (UDL) Representation, Action and Expression and Engagement</th>
<th>Identify barriers to learning, at least 5 barriers</th>
<th>Give an idea for eliminating the barriers</th>
<th>Edited by a human. (include human’s name)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>10</td>
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<td>10</td>
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</tbody>
</table>
Set humans up for success by assuming that they will each need clarification around different concepts. Teach how to use accessible options for the web platform, as well as other resources.
Grading

• When is an assignment done?
Options for Physical Action

Dance Your PhD Contest