



## Apps And Teaching Strategies For Enhancing Learning In Higher Education During The Covid-19 Pandemic

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**Process Education Conference 2021**  
Arlene King-Berry, M.Ed., J.D.

[akberry@udc.edu](mailto:akberry@udc.edu)

University of the District of Columbia  
June 24, 2021

# INTRODUCTION

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- The COVID-19 pandemic introduced an abrupt change in human behavior, raised significant challenges in higher education, resulting in a rapid pivot to remote teaching and learning
- Finally, this review was designed to synthesize and organize information about the strategies and Apps so that administrators and faculty can use it to address the educational needs of all of their students.



# OBJECTIVES

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After this presentation you should be able to:

- 1) Identify and describe challenges faced by faculty and diverse learners during the COVID-19 pandemic.
- 2) Identify and describe teaching strategies and apps to ameliorate these challenges.

# Methodology Step 1

## Review of Literature

- Eric
- Google Scholar
- Education Research
- PubMed

# Methodology Step 2

## Selection Criteria

- Publication Date
- Address Challenges
- Reflect UDL Principles
- [www.cast.org](http://www.cast.org)

# Methodology Step 3

## Develop Table of Strategies/Apps

1. Author
2. Date
3. Challenge
4. Strategy Suggested



# Methodology Step 3

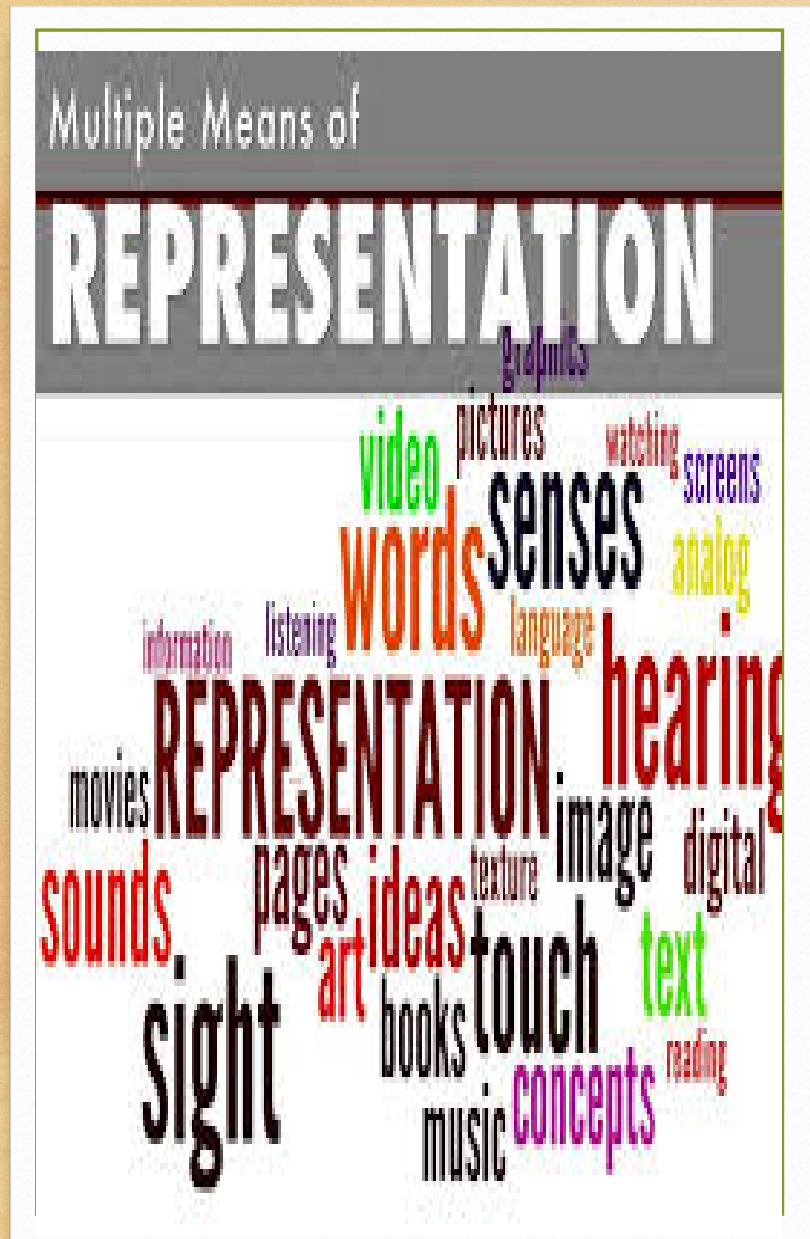
## Develop Table of Strategies/Apps

### 4. UDL Congruence

- Representation
- Action and Expression
- Engagement

## Multiple means of ENGAGEMENT (the 'why' of teaching and learning)

Offers flexible/multiple ways to present lesson content	auditory	Listening to text read aloud, debating, discussing, giving verbal prompts, talking through steps, using songs/raps, oral storytelling
	visual	Adding novelty with props, posting goals, charting progress, outlining steps to solving a problem, using visual schedule, designing posters, illustrating/taking pictures
	tactile/kinesthetic	Using manipulatives, building a model, using response cards, using a game format, working outside, building movement into lessons, role plays
	affective	Working in areas of student interest with some choice, working alone, with a peer, or in cooperative groups, using positive behaviour support, increasing self-regulation, developing coping skills, providing feedback, adding mentors
	technological	Recording on digital device, word processing, charting data with spreadsheet, creating a video, using wikis or video conferencing, blogging, text messaging.



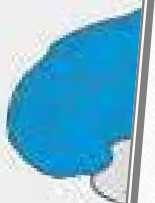


# Multiple Means of Action and Expression



STRATEGIC NETWORKS:  
THE **HOW** OF LEARNING

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



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## Provide multiple means of Engagement

Affective Networks  
The "WHY" of Learning



# Findings/Conclusions

- ❑ 30 Articles were reviewed
- ❑ Two Tables were developed and populated
- ❑ Findings
  - ❑ Table 1- UDL Congruent Teaching Strategies
  - ❑ Table 2-UDL –Congruent Apps



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