

Google Technology as Inclusive Practice for Universal Design

**Midwest Summer Institute-Inclusion
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Learning Objectives

1. Apply the three (3) principles of UDL to school and classroom technology policies and practices.
2. Identify and evaluate ten (10) Google technology tools that support inclusive reading, writing, and organization.
3. Connect and discuss classroom application of three (3) Google technology tools supporting inclusive learning across the classroom and community.

Introduction



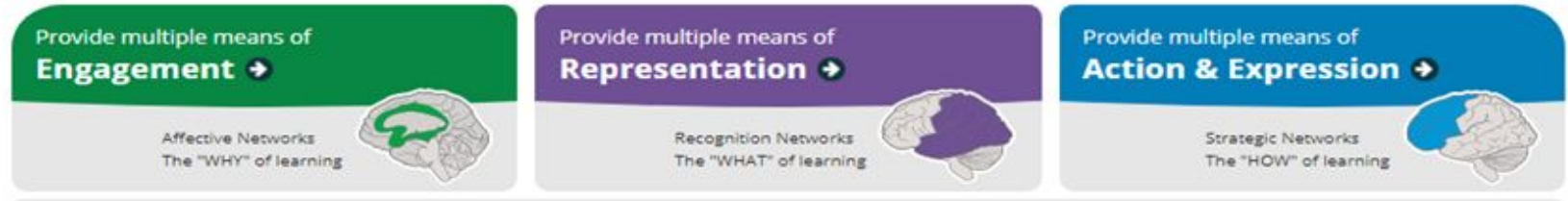
Universal Design for Learning & Accessibility

- Technology options can enhance opportunities for learning for ALL students in the inclusive setting
 - Captioning
 - Reading and Writing Supports
- UDL is a Plan – meet the needs of and reduce barriers for all learners; consider learner variability from the start

Guidelines for Universal Design for Learning



Principles of Universal Design for Learning



Affective
Networks

Recognition
Networks

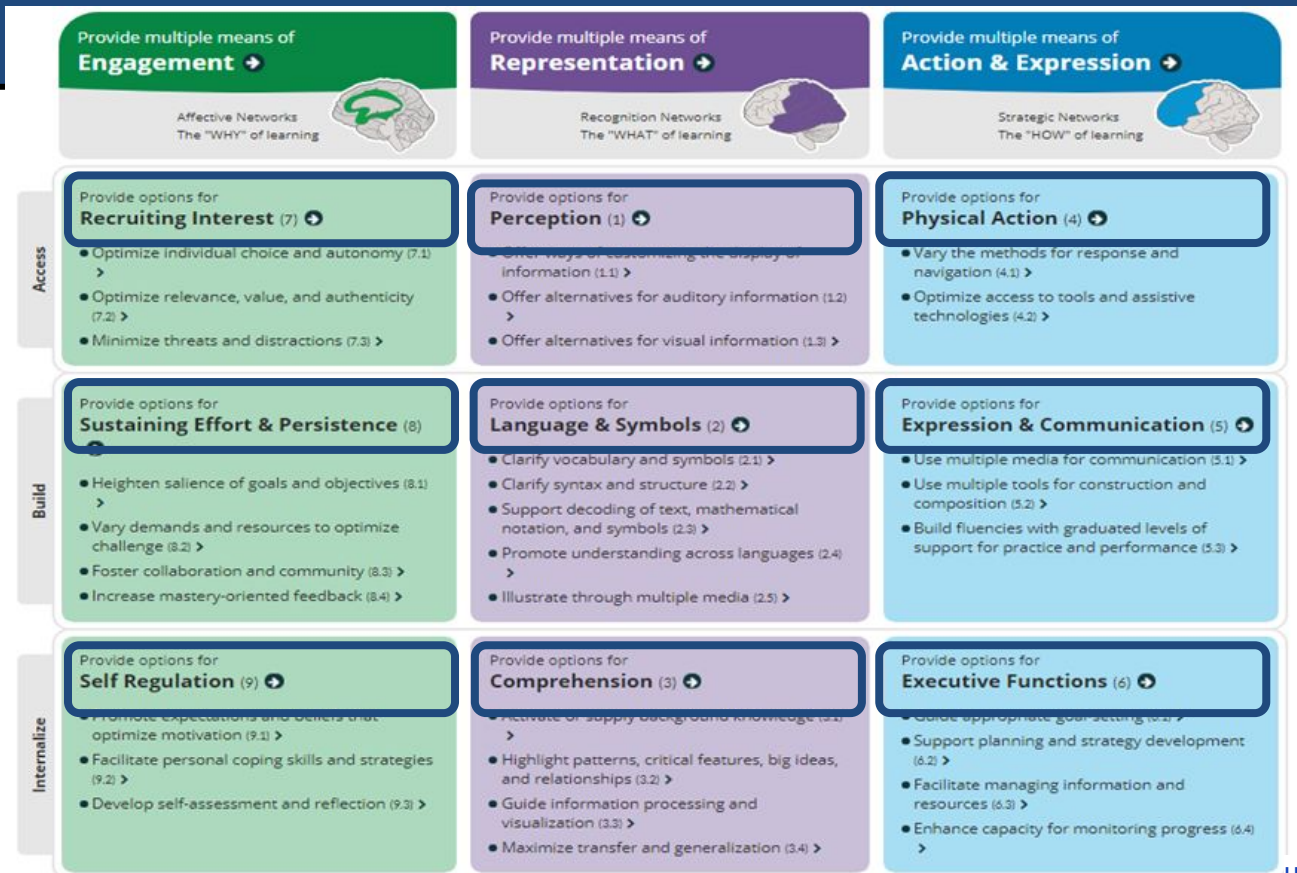
Strategic
Networks

The "Why" of
Learning

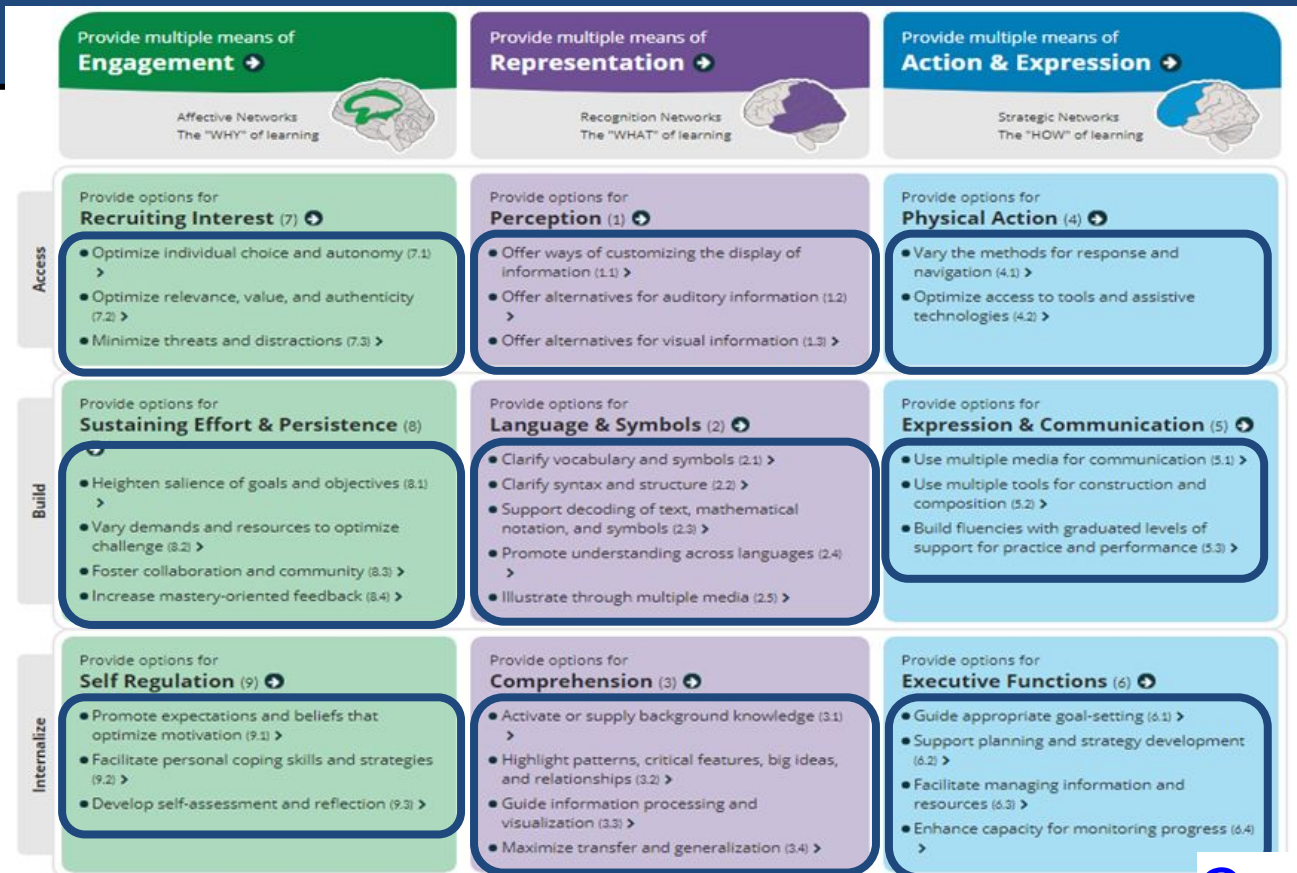
The "What" of
Learning

The "How" of
Learning

Guidelines of Universal Design for Learning



Checkpoints of Universal Design for Learning



Launch Google Chrome



Google Supports . . .

1. Teacher Management
2. (Student) Self Regulation/Monitoring
3. Student Work Flow
4. Student Collaboration
5. Accessible Education Materials
6. Mindfulness

Digital Handout

Google Tools: Leveling the Playing Field for ALL Learners

[Sarah Lalk](#) | [Patti Bahr](#) | [Chris Curran](#) | [Cari Teske](#) | [Lea Ann Peschong](#)

NOTE: Click on each icon to go directly to the tool.

[Teacher Management](#)

[Self Regulation/Monitoring](#)

[Student Work Flow](#)

[Student Collaboration](#)

[Accessible Education Materials](#)



[Physically Reading](#)

[Low Vision and Color Blind](#)

[Text Reader & Writing Supports](#)

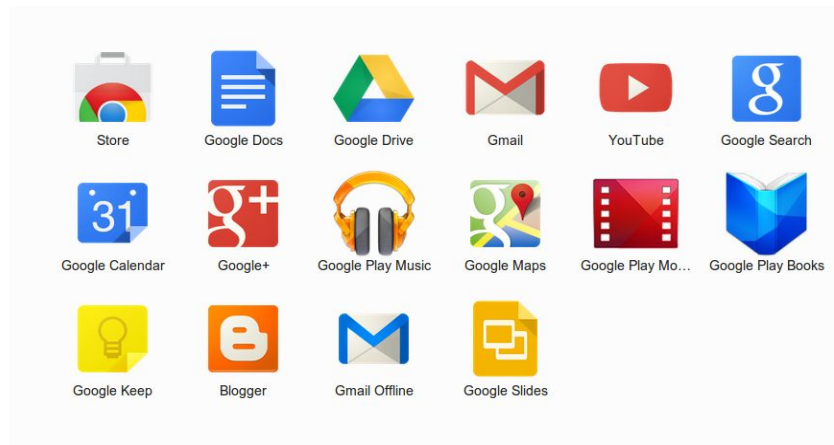
[Mindfulness](#)

[Tips and Tricks](#)

Teacher Management		
Tool	Functions	Notes
Google Classroom 	<ul style="list-style-type: none">• Individualize instruction• Delegate virtually• Link to Google Drive• Track student submissions• Provide timely feedback• Download scores• Link to Google Calendar	
Google Drive 	<ul style="list-style-type: none">• Ease of organization• Share docs and folders	

Apps and Extensions

- Apps - shortcuts to websites



- Extensions - enhance your page



Chrome Web Store

The screenshot shows the Chrome Web Store interface with a search for "speech to text". The left sidebar contains navigation options: Home, Apps, Extensions, Themes, Features (Runs Offline, By Google, Free, Available for Android, Works with Google Drive), and Ratings (5 stars & up, 4 stars & up, 3 stars & up, 2 stars & up). The main content area is divided into two sections: "Apps" and "Extensions".

Apps Section:

- VoiceNote II - Speech to text** (offered by voicenote.in): "Typing with your voice and speech recognition. Simple and functional notepad." (2117 reviews, 5 stars)
- Speechnotes - Speech To Text Notepad** (offered by https://speechnotes.co): "Highest rated speech recognition editor on the Chrome store. Increase productivity for free." (140 reviews, 5 stars)
- Speech Recognition & Translation** (offered by https://speechlogger.appspot.com): "The best speech recognition and instant voice translation on the web. Google's technologies. Simple. Smart. FREE. No" (151 reviews, 4.5 stars)

Extensions Section:

- Online speech recognition - SpeechPad** (offered by https://speechpad.ru): "Entry text by voice on any web site and in windows application" (527 reviews, 4.5 stars)
- VoiceNote II - Speech to text** (offered by voicenote.in): "Typing with your voice and speech recognition. Simple and functional notepad." (166 reviews, 5 stars)

Apps

Extensions

Self Regulation: Extensity

Manage all your
apps/extensions from
one place



Let's Have Some Fun!

Team Challenges

Create groups.

Choose 2-3 challenges.

Write responses in team slide show.

Share out in 20 minutes.

Additional Resources

Apps & Extensions

Find Apps and Extensions & Information

- [Chrome Web Store](#) Accessibility Extension
- [OTS with Apps](#); [Common Sense Media](#)
- [Dyslexia Help \(University of Michigan\)](#)
- [Understood.Org Tech Finder](#)



Accessibility: [Google Accessibility](#), [National Center on AEM](#)

Training: Look for tutorials on each app or extensions

Transition: [UDL On Campus](#) ; [Center for Online Learning](#)