

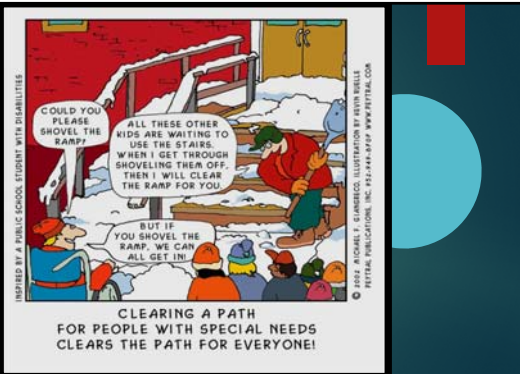
Using the iPad for Differentiation

SUPPORTING ALL LEARNERS WITH TECHNOLOGY
LATA CONFERENCE 2018 – MICHEL GAGNON

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Our Plan...

- ▶ 1- UDL
- ▶ 2- Technology Literacy
- ▶ 3- Examples of 'Showing what students know' in multiple ways
- ▶ 4- Let's explore!



To differentiate instruction is to recognize students' varying levels of background knowledge, readiness to learn, language ability, learning preferences, and interests, and to react responsively.

(Adapted from Hall, Strangman, & Meyer, 2003, pp. 2-3)

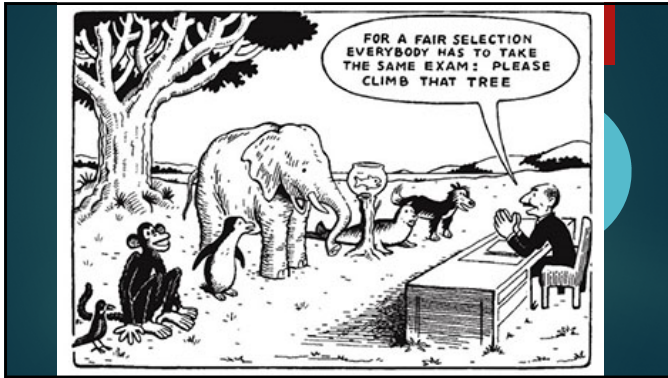
Why Technology?
Universal Design for
Learning framework
www.cast.org

The image shows a grid of 12 strategies for Universal Design for Learning (UDL). The strategies are organized into four main categories:

- Engagement:**
 - Provide multiple means of **Engagement** (The "WHY" of learning):
 - Offer choices in content, materials, and resources.
 - Offer choices in how students learn.
 - Offer choices in how students demonstrate and apply their learning.
 - Recruitment & Persistence:**
 - Offer choices in content, materials, and resources.
 - Offer choices in how students learn.
 - Offer choices in how students demonstrate and apply their learning.
 - Provide options for Self-Regulation:**
 - Provide opportunities and supports that optimize students' self-regulation.
- Representation:**
 - Provide multiple means of **Representation** (The "WHAT" of learning):
 - Present information in different media.
 - Present information in different formats.
 - Present information in different colors.
 - Present information in different sizes.
 - Present information in different orientations.
 - Present information in different languages.
 - Present information in different dialects.
 - Present information in different accents.
 - Present information in different speeds.
 - Present information in different directions.
 - Present information in different backgrounds.
 - Present information in different fonts.
 - Present information in different colors.
 - Present information in different sizes.
 - Present information in different orientations.
 - Present information in different languages.
 - Present information in different dialects.
 - Present information in different accents.
 - Present information in different speeds.
 - Present information in different directions.
 - Present information in different backgrounds.
 - Present information in different fonts.
 - Provide options for Language & Symbols:**
 - Use multiple means for communication.
 - Use multiple means for construction and representation.
 - Use multiple means for expression and performance.
 - Provide options for Comprehension:**
 - Activate or supply background knowledge.
 - Support learning, social interaction, and motivation.
- Action & Expression:**
 - Provide multiple means of **Action & Expression** (The "HOW" of learning):
 - Offer choices in how students learn.
 - Offer choices in how students demonstrate and apply their learning.
 - Physical Action:**
 - Use multiple means for response and navigation.
 - Use multiple means for navigation and response.
 - Provide options for Expression & Communication:**
 - Use multiple means for communication.
 - Use multiple means for construction and representation.
 - Use multiple means for expression and performance.
 - Provide options for Executive Functions:**
 - Use multiple means for goal setting.
 - Use multiple means for time management.
 - Use multiple means for organization.

Seven Learning Styles

- Visual (spatial)** You prefer using pictures, images, and spatial understanding.
- Aural (auditory-musical)** You prefer using sound and music.
- Verbal (linguistic)** You prefer using words, both in speech and writing.
- Physical (kinesthetic)** You prefer using your body, hands and sense of touch.
- Logical (mathematical)** You prefer using logic, reasoning and systems.
- Social (interpersonal)** You prefer to learn in groups or with other people.
- Solitary (intrapersonal)** You prefer to work alone and use self-study.



General Technology guidelines

- Teach technology skills, apps BEFORE using them for content
- Set parameters of safe and appropriate tech use
 - Digital citizenship curriculum
 - <https://www.common Sense Education/digital-citizenship>
- Make criteria visible – for using app or software (use xx features) and for knowledge to be demonstrated (eg. 15 key points, 3 images, into using 2 apps etc)

Common Sense Media
Digital Citizenship


iPAD Etiquette

- Rules in my classroom:
 - The phrase "iPad Etiquette" means: iPads are closed, both hands are on top students desk, and ALL students are ready to listen.
 - iPads are for academic use only
 - The device must be treated with care:
 - Do not use around food or drink
 - Be gentle: do not bang on screen

Padlet in the classroom



I will demo
(Then please do it afterwards)

- 1- Turn on the iPad
- 2- slide from right to left to get the camera
- 3- Point to the QR code
- 4- On the top, a message will appear with the link
- 5- Click on it.



Technology for sharing and printing

- Double click the home button
- Click on the AirDrop icon
- Choose Everyone



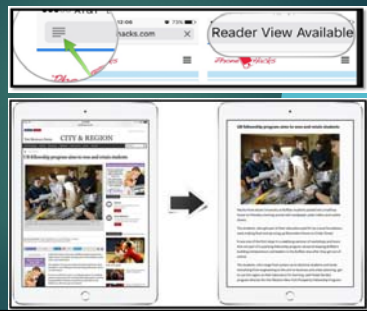
Activity 1: AirDrop

Use your iPad to send a picture

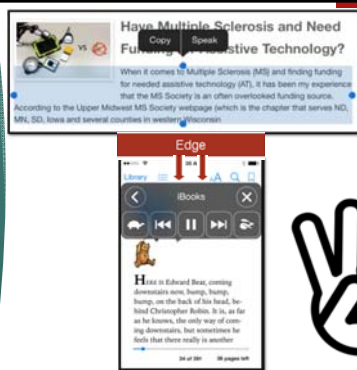
- 1- Take a picture
- 2- Turn on AirDrop, make sure it is on Everyone
- 3- Go to the Picture app
- 4- Send the picture to someone in the class
- 5- Think & Share – what do you notice?

Technology Supports for Reading

Safari Reader View





Text to Speech



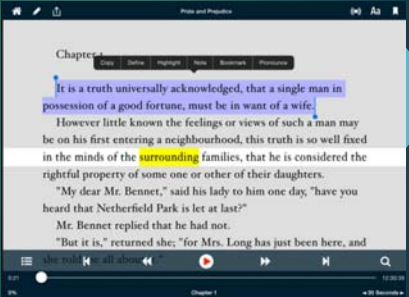
Activity 2: Reading

Use your iPad to listen to the web

- 1- Go to Settings, General, Accessibility, Speech
- 2- Enable Speak Selection and Speak Screen
- 3- Go to Safari and go to a news website.
- 4- Activate reader view. 
- 5- Select some text or/and have the iPad read the whole article
- 6- " Play with settings" – Highlight Content, Typing feedback and rate



Voice Dream Reader – \$20.99



Chapters

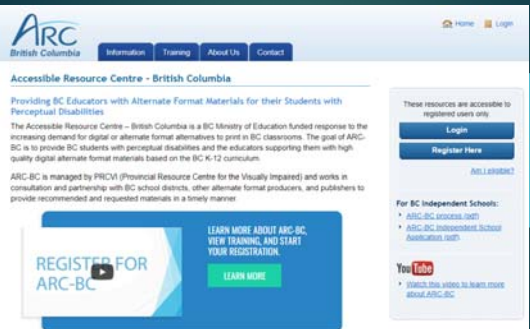
It is a truth universally acknowledged, that a single man in possession of a good fortune, must be in want of a wife.

However little known the feelings or views of such a man may be on his first entering a neighbourhood, this truth is so well fixed in the minds of the surrounding families, that he is considered the rightful property of some one or other of their daughters.

"My dear Mr. Bennet," said his lady to him one day, "have you heard that Netherfield Park is let at last?"

Mr. Bennet replied that he had not.

"But it is," returned she; "for Mrs. Long has just been here, and



ARC BC

British Columbia

Information Training About Us Contact

Accessible Resource Centre - British Columbia

Providing BC Educators with Alternate Format Materials for their Students with Perceptual Disabilities

The Accessible Resource Centre – British Columbia is a BC Ministry of Education funded response to the increasing demand for digital or alternate format alternatives to print in BC classrooms. The goal of ARC-BC is to provide BC students with perceptual disabilities and the educators supporting them with high-quality digital alternate format materials based on the BC K-12 curriculum.

ARC-BC is managed by PRCVA (Provincial Resource Centre for the Visually Impaired) and works in consultation and partnership with BC school districts, other alternate format producers, and publishers to provide recommended and requested materials in a timely manner.

These resources are accessible to registered users only

[Login](#)

[Register Here](#)

For BC Independent Schools:

- ARC-BC (arc@arc.bc.ca)
- ARC-BC Independent School Authorities (isa@arc.bc.ca)

YouTube

- Watch this video to learn more about ARC-BC

REGISTER FOR ARC-BC

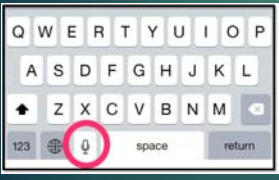
LEARN MORE ABOUT ARC-BC, VIEW TRAINING, AND START YOUR REGISTRATION.

[LEARN MORE](#)

Technology Supports for Writing


Dictation - iOS

- Speech to text capability - anywhere!
- a) Settings
 - General
 - Accessibility
- Under interaction - enable Siri / Always on
- b) Settings
 - General
 - Keyboards
 - Enable Dictation



Activity 3: Dictation

Use your iPad to send a dictated email to Michel



1- Go to Padlet in the Safari app. Or use you camera and the QR code.

Text to Dictate:

- It is with great fortitude and skill that I am dictating this message. Please accept it as a grand gesture showing how well I have learned to do this. My goal is to test how to do the phrasing and discover the challenges. Sincerely, xxxxx

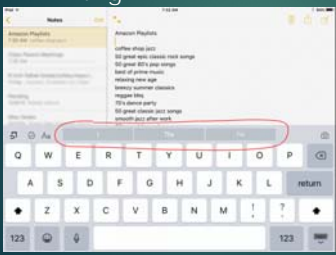
Think & Share – what do you notice?

Technology Supports for Writing


Predictive

Settings

- General
- Accessibility
- Keyboard
- enable Predictive



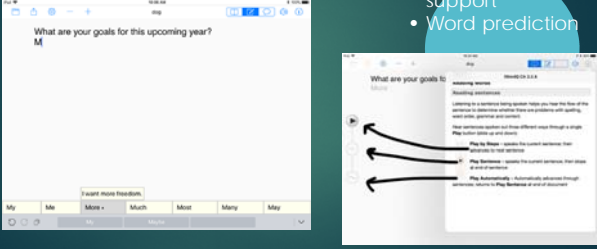
Technology Supports for Writing




iWordQ – \$28.99

Writing

- with text to speech support
- Word prediction



Technology Supports for Writing



Snap Type

– write/type on worksheets
free/\$6.99

Technology Supports for Showing What We Know



Book Creator \$

Explain Everything \$

ChatterPix Kids (free)

Popplet Lite (free)

Popplet \$

Adobe Spark Video (free)

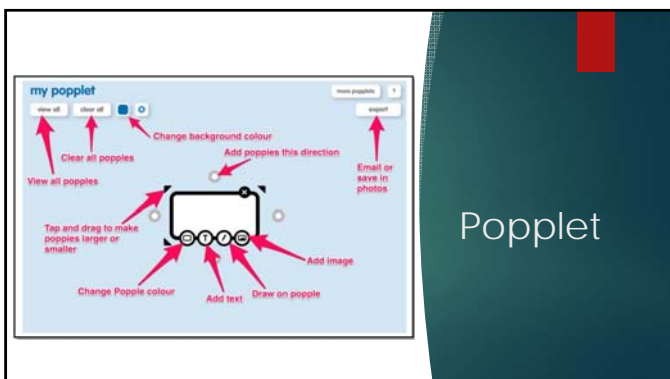
Pic Collage

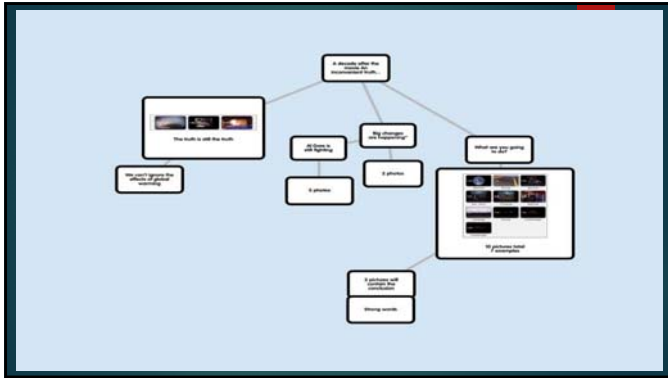
iOS apps

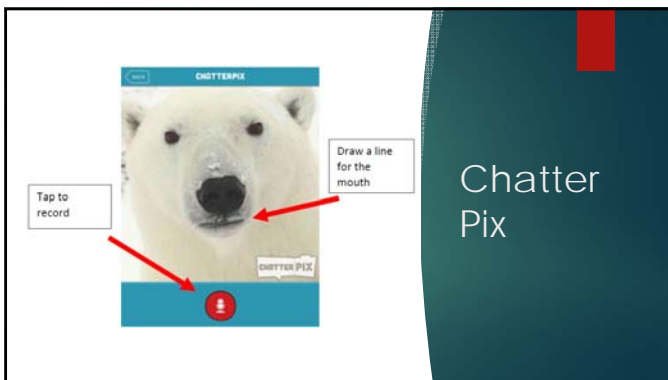
- Notes
- iMovie

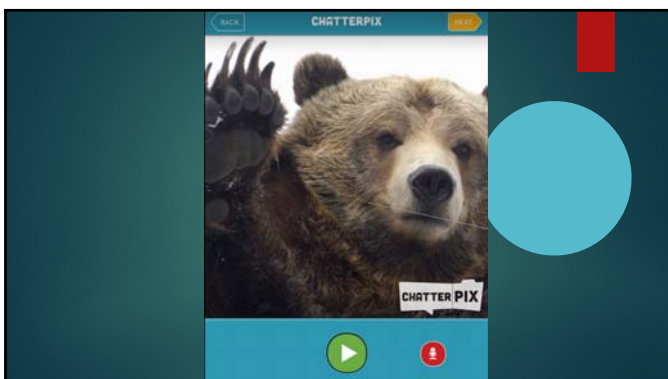


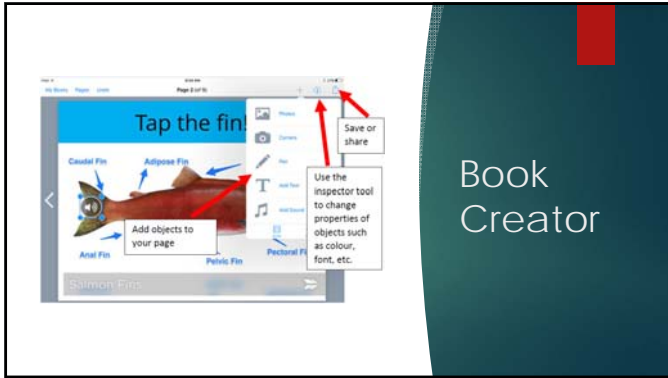






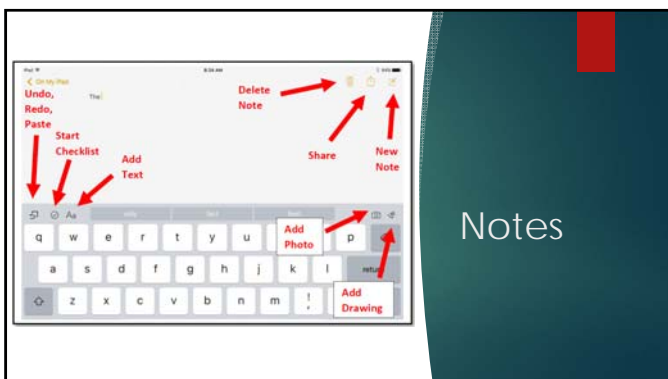




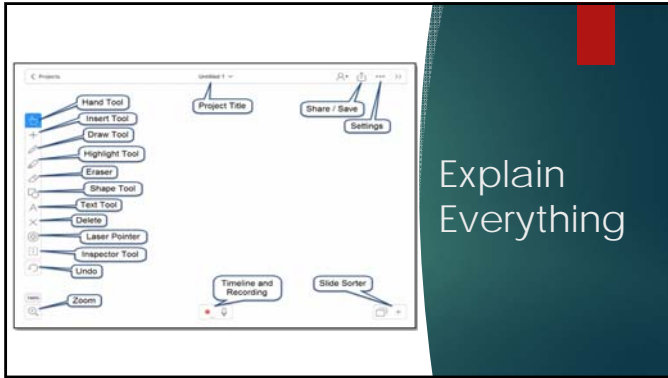


Book Creator





Notes



Explain Everything



Explain Everything

<https://www.youtube.com/watch?v=DY499ryw834>
<https://www.youtube.com/watch?v=eSiMy-P FsA>



iMovie

