

iDevices in the Inclusive Classroom

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Learning Goal



Device Management in the DDSB

- Air Watch for Device Management – Benefits
- App/Device Management
- Allocation of a small device to a student through SEA

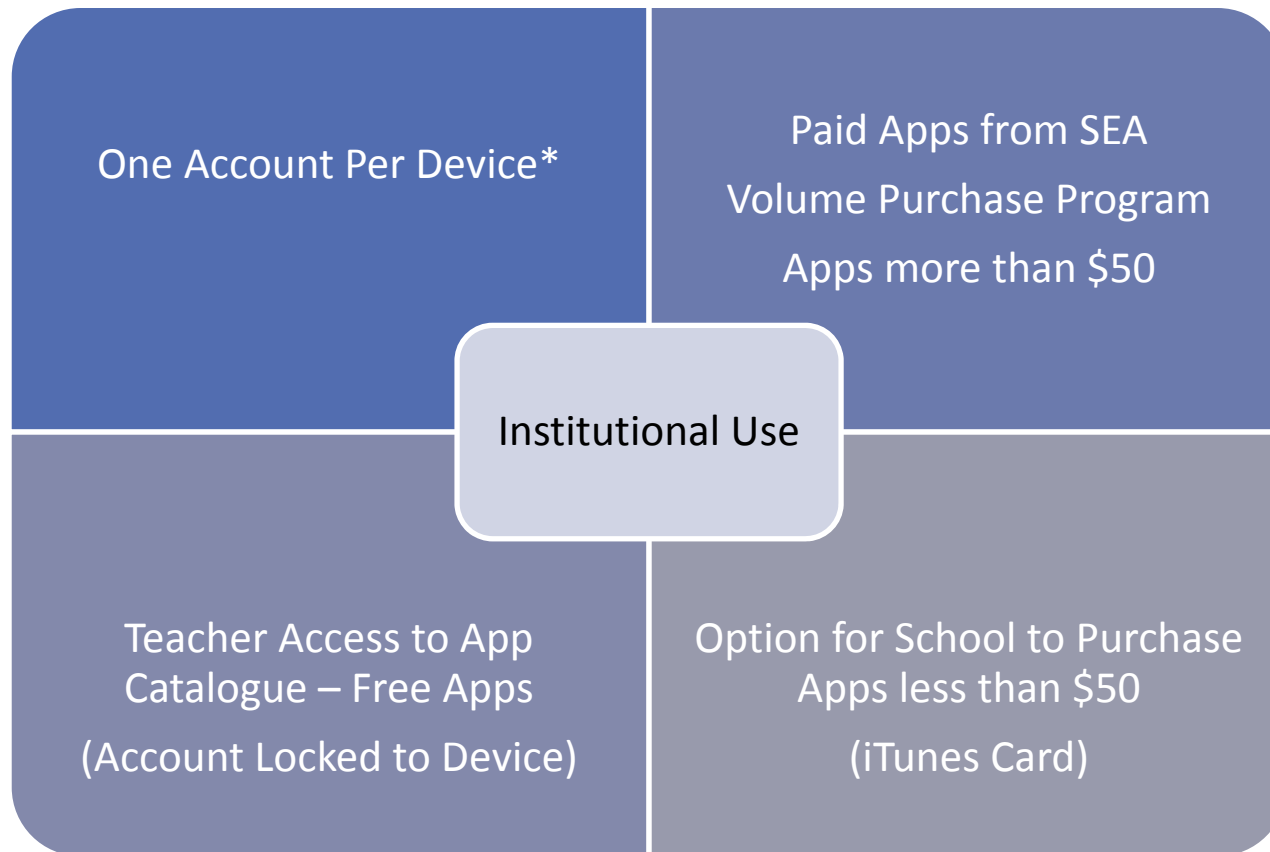
Apps in the Inclusive 21st Century Classroom

- Self-Regulation
- The Physical Environment
- Instruction Strategies and Creating Structure
- Assessment Tools

Resources

- Websites & Twitter
- Contact Info

DDSB iTunes Model (SEA)



AirWatch



- All SEA funded devices are managed and monitored through AirWatch.
(Use, location, data)
- Allows for remote support.
- Enrollment with AirWatch enables the configuration, monitoring, and security of the devices.
- Allows for app sharing, installation, and removal.
- Location services.

App Catalog



- A collection of Apps that have been “purchased” through the App Store by the Programs and Special Education departments.
- These Apps are found in the App Catalog
- Apps are unsorted but generally fall within the categories of productivity, self-regulation, communication, organization, numeracy, and literacy.

AirWatch Console

The screenshot displays the AirWatch Console interface with the following sections:

- Navigation Bar:** Summary, Compliance, Profiles, Apps, Content, Location, User, More
- Security:**
 - Managed By MDM (checked)
 - Supervised (checked)
 - Find My iPhone Enabled (checked)
 - Activation Lock Disabled (checked)
 - iCloud Backup Enabled (checked)
 - Passcode Disabled (warning)
 - No Data Protection (warning)
- User Info:**
 - USERNAME: GT7040
 - NAME: GT 7040
 - EMAIL: ddsbspeced_CT7040@durham.edu.on.ca
- Device Info:**
 - ORGANIZATION GROUP: / Elementary / Adelaide McLaughlin PS (E101)
 - SMART GROUPS: Enterprise App Catalog, Passcode, DDSB Website (+8 more)
 - PHONE NUMBER: SIM Not Detected
 - SERIAL NUMBER: DMPQCLQWG5VW
 - UDID: 04D55AA8924C3BF4FDAA0BC3CADB4CDF1340760F
 - ASSET NUMBER: 04d55aa8924c3bf4fdaa0bc3cadb4cdf1340760f
 - POWER STATUS: On Battery (56% Remaining)
 - STORAGE CAPACITY: 32 GB free of 56 GB (57.1%)
 - PHYSICAL MEMORY
- Profiles:**
 - 3/3 Installed (checked)
- Apps:**
 - 98/231 Installed
 - 0/0 Auto Apps
 - 0/128 On Demand Apps

Arrows in the image point to the 'Apps' tab in the navigation bar, the 'Apps' section, and the email address in the 'User Info' section.

Choosing Apps

- a) Safety
- b) Privacy
- c) Pedagogy

STOP:

There are potentially high risks associated with using this tool. Talk to your administrator before proceeding.

THINK:

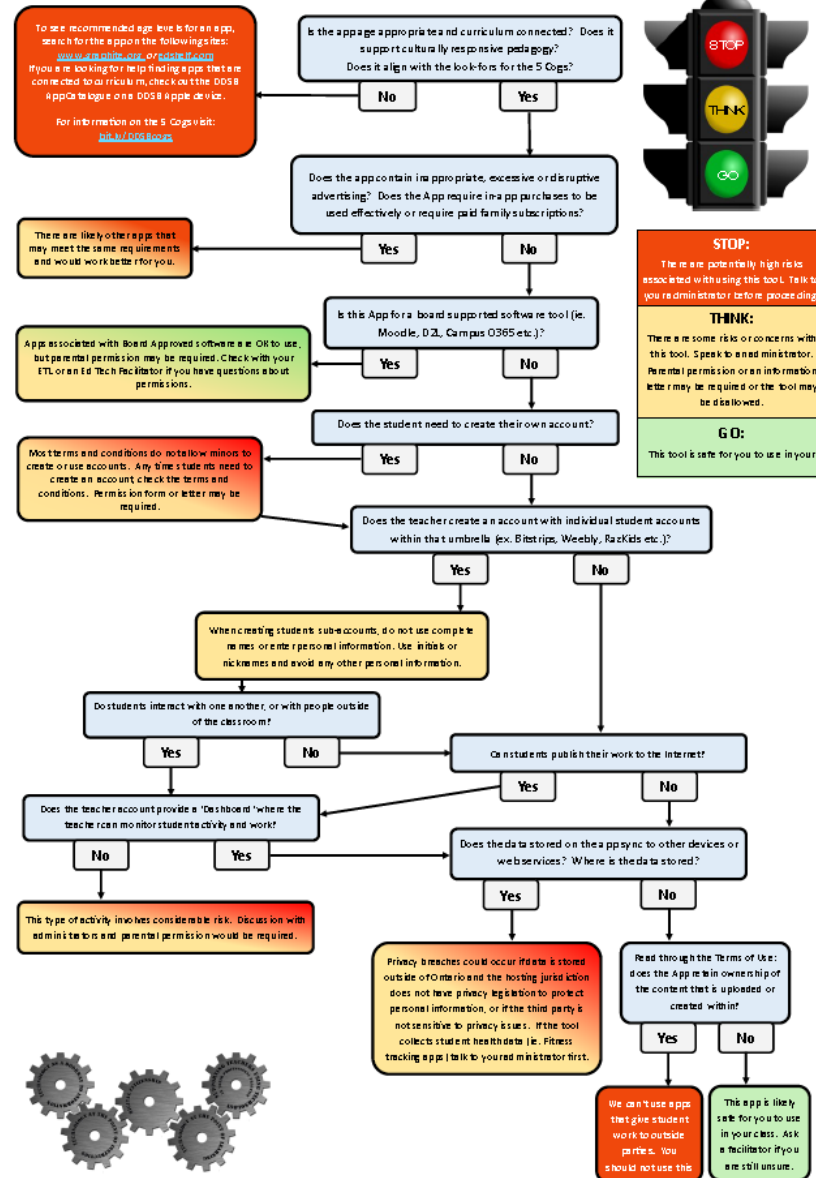
There are some risks or concerns with this tool. Speak to an administrator. Parental permission or an information letter may be required or the tool may be disallowed.

GO:

This tool is safe for you to use in your

Is This App-appropriate

Safety * Privacy * Pedagogy



Questions to Consider When Selecting Apps

1. Is the app age appropriate and connected to the curriculum?
2. Does the app contain inappropriate, excessive, disruptive advertising? Does it have in-app purchases?
3. Is the app for a board supported software tool (i.e. D2L, Moodle, Canvas 365 etc.)?
4. Does the student need to create an account to use the app?
5. Does the teacher create an account with individual student accounts (i.e. Bitstrips, RazKids, Weebly etc.)?
6. Do students interact with one another or others when using the app?
7. Does the data stored sync to other devices or web services? Where is the data stored?
8. Does the teacher account provide a dashboard where the teacher can monitor student activity and work?

Practical Uses



Structure

- Scheduling
- Video Modeling
- Task Analysis
- Social Stories

Accessibility

- Touch Screen
- Text-to-Speech
- Assistive Touch
- Speech-to-text
- Word Prediction

Reduced Task Complexity

- Ease of navigation vs complex structure of typical laptop
- Tap to select vs typical multi-switch mouse/keyboard

Develop Self-Regulation Skills

- Self-Awareness Apps
- Zones of Regulation
- Calming Apps
- Physical Activity Apps

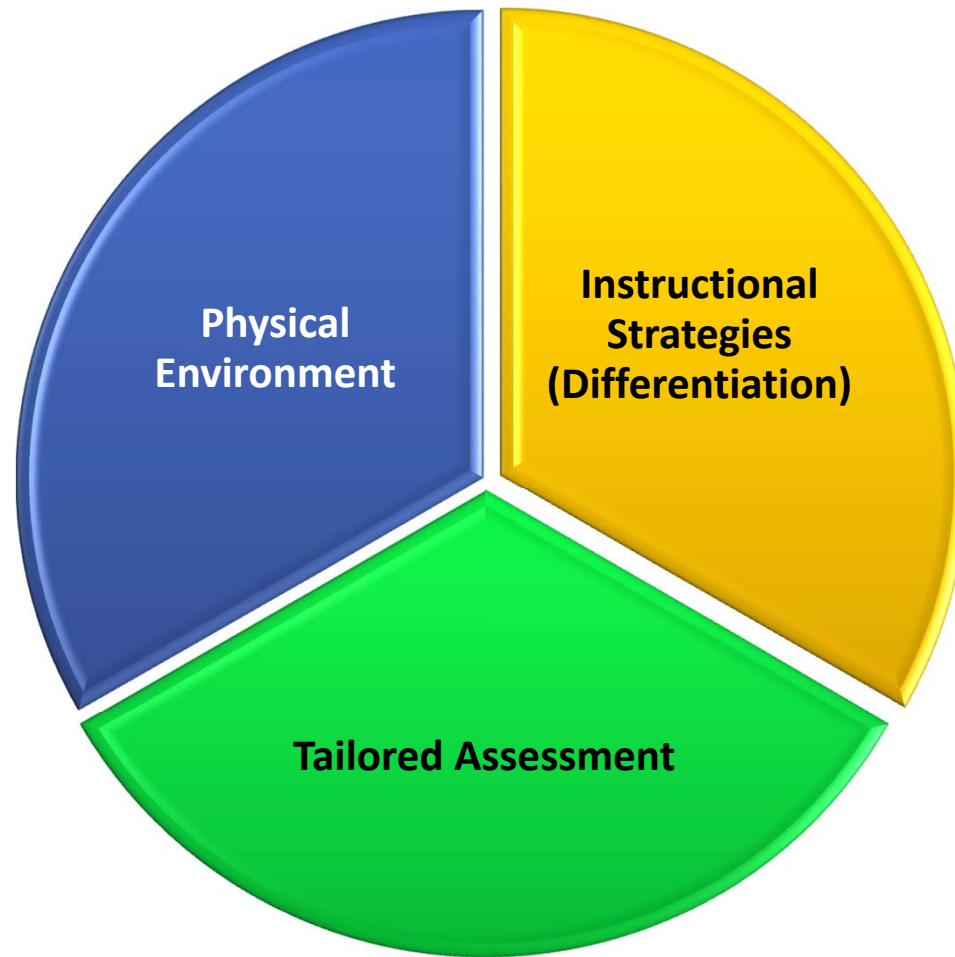
Face-to-Face Communication

- Alternative and Augmentative Communication Needs

Small Devices – Goal Setting



The Inclusive Classroom Includes Accommodations



Learning Environment Accommodations

- The learning environment directly impacts programming, assessment, and student engagement.
- Through the promotion of technology in the classroom, educators create an inclusive learning environment equipped to meet the needs and interests of *all* learners.
- [Resource: Capacity Building Series – The Third Teacher \(Ministry of Education Website\)](#)

Learning Environment and Self-Regulation Self-Regulation

➔ Responding effectively and efficiently to the everyday challenges that students face in and out of school (ability to recognize and react to stressors).

- Within the learning environment, many students struggle with self-regulation and a readiness for learning. Through the direct teaching of self-regulation skills, students are best positioned to learn, collaborate, and achieve.
- Apps can provide an excellent opportunity to practice and develop self-regulation skills.



Self-Regulation



Structures that Support self-regulation



iPads in a metal rack accessible to all students

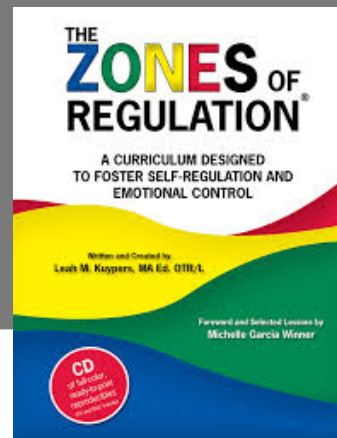


iPads in a guided group

Exploring Emotions - \$13.99



- Related to the Zones of Regulation by Leah Kuypers.
- An application designed to foster self-regulation skills in fun and exciting ways.
- Simulates everyday situations students can relate to.



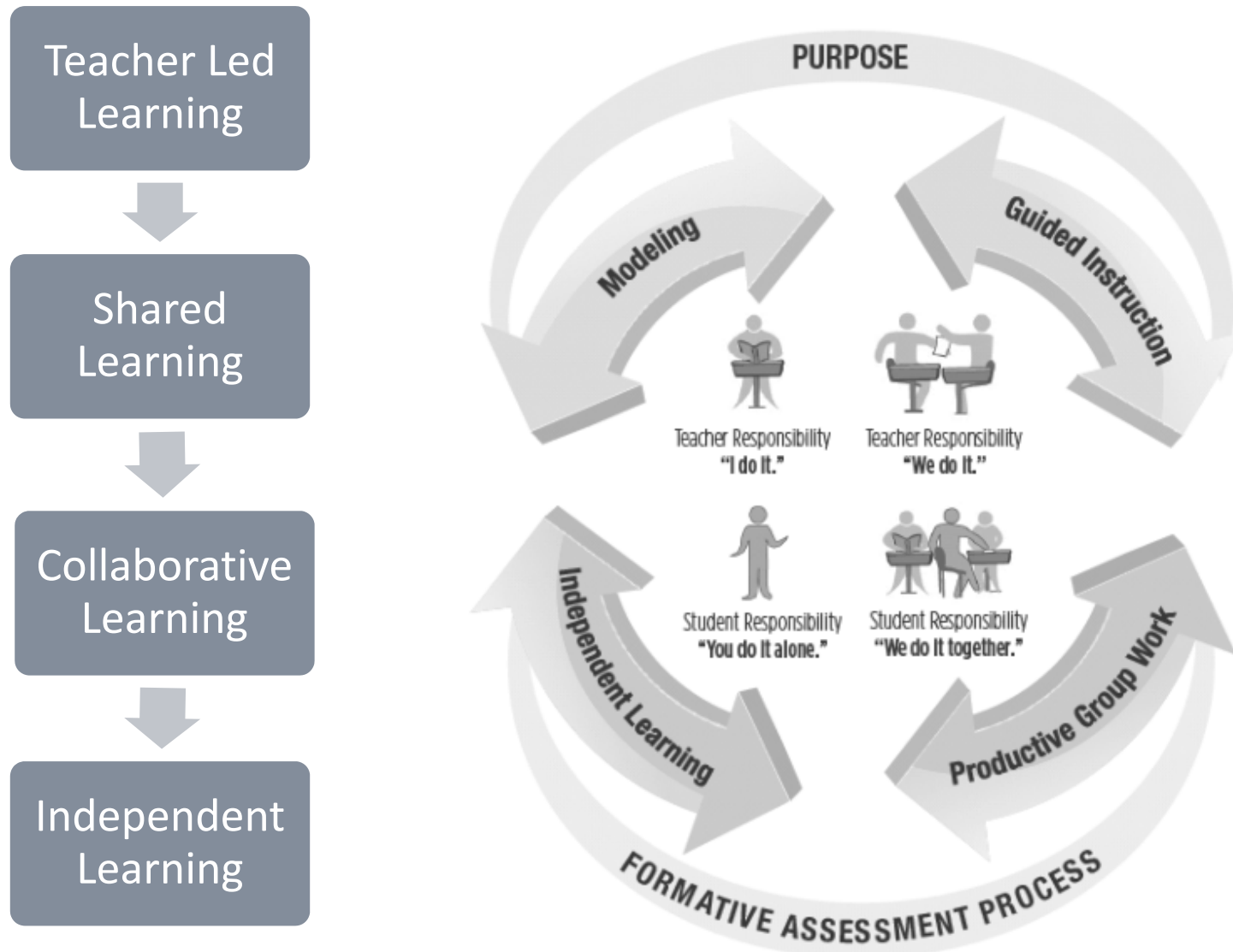
NFL Play 60 - Free



- Promotes movement breaks within the classroom.
- Developed by the American Heart Association.
- Students run, jump and turn with their on-screen character while collecting coins.
- Can be used as an individual or whole-class activity.
- Great concept. Includes some imperial units of measurement.

Instructional Strategies

The 21st Century Classroom



OneNote - Free



- Can be used to produce, organize, and store written files, photos, audio files, screen clippings, and drawings
- Students can use Siri to produce written work
- To-Do lists and Tags
- Allows for multi-user collaboration and file sharing
- Student login:
s (their student number) @ddsbstudent.ca



Siri



- Voice-to-text
- Dictate notes, search the web, look up information with your voice
- Potential to improve accessibility for students with physical, fine-motor or other print related disabilities
- Productivity may improve for individuals with strong oral expressive language

Speak Selection



- Text-to-Speech feature
- Allows student to have text read to them (Notes, Reminders, Websites, iBooks)
- Select text to be spoken/read
- Tap Speak

Office Lens - Free



- Captures/enhances pictures of documents and whiteboards and makes them readable!
- Converts images into editable Word and PowerPoint files
- "Portable scanner"
- Syncs with O365

Show Me - Free



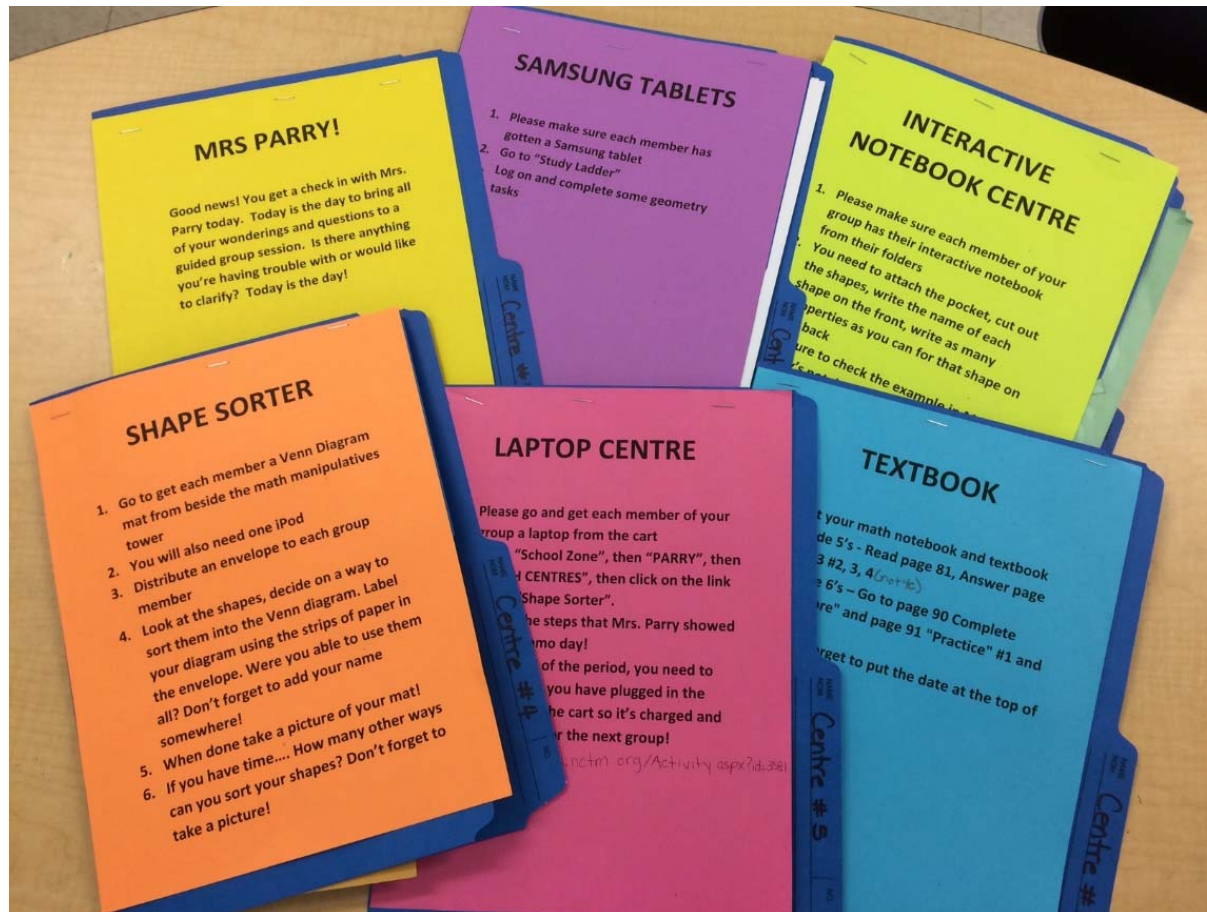
- Interactive whiteboard app.
- Uses built in camera, mic, and presentation tools.
- Used at point of learning by the student to create an explanation, recount, story or response.
- Students can access individual and group tasks in a safe manner that leverages their strengths.

Sock Puppets App - Free



- Students create puppet shows
- Use props, puppets, scenery and backgrounds
- Fast and easy to use
- Hit record and puppets automatically lip sync to student's voice
- App appeals to younger students and/or students who have a story to tell but struggle with the complexity of conventional writing

Creating Structure



Reminders App - Free



Reminders

- “Reminders” is a simple, basic To-Do list app with a wide range of practical uses.
- It lets you make and organize lists or schedules with optional “reminders” available for items in your lists (use SIRI to dictate).
- Can be used to schedule tasks and activities

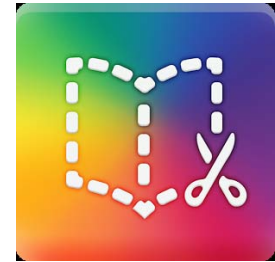
Calendar App - Free



Students can add:

- Assignments/homework
- Due dates
- Add alerts to remind them of upcoming due dates etc.
- Colour code dates and events
- Can sync calendar to iCloud
- Alternative Calendar Apps are available (free/paid) if built in Calendar is too complex

Book Creator App - Free

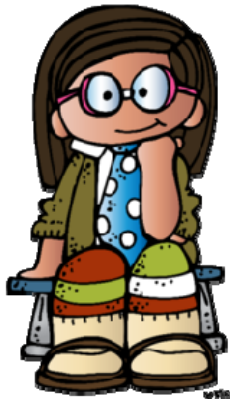


- Create first/then boards, communication passports, and social stories.
- Allows the user to access photos, text, and sound in the creation of a visual structure that could be used to promote independence, visual modeling, and predictability.

Assessment

ASSESSMENTS

OVERVIEW



Assess learning
at the end of a
unit of study.

Used to assess learning.

SUMMATIVE ASSESSMENTS

Check for understanding during the
learning process in order to modify
instruction to improve understanding; this
is an assessment *for* learning.

Used to drive instruction.

FORMATIVE ASSESSMENTS

After activating prior knowledge, find out what students know about
a particular skill, concept, or topic *before* planning instruction.

Used to guide planning.

PRE-ASSESSMENTS

Plickers (Diagnostic) - Free



- Poll the class for free without the need for student devices.
- Can be used to do instant diagnostic assessments, checks-for-understanding, exit tickets, and impromptu polls.



Kahoot (Formative) - Free



- Web-based app that allows the educator to pose a question, conduct a quick survey, or administer a quiz. Individual or Team mode.
- Provides instant feedback to guide programming.
- Response format is simple (Shape / Colour).
- <https://kahoot.it/#/>
- Kahoot Game Pin: **516280**



Nearpod (Summative) - Free



- Nearpod is an interactive presentation and assessment tool that can be used to reinforce concepts and assess student understanding.
- Fully customizable.
- Online library of free and paid lessons etc.
- <https://app.nearpod.com>
- Activity Code: QUFLR



Resources



App Finding Apps

- Sort apps by categories, paid or free
- Sample app finding apps include:
 - [Apps Gone Free](#)
 - [Kindertown](#)
 - [Autism Apps](#)



Additional Resources

1. **Graphite** – Reviews and Ratings -

www.graphite.org

2. **EdShelf** – Reviews and Ratings -

www.edshelf.com

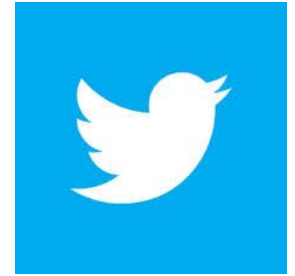
3. **Apps for Children with Special Needs**

<http://a4cwsn.com/>

4. **Apple - Special Education**

<http://www.apple.com/ca/education/special-education/>

Twitter – Resources



1. Edudemic - [@Edudemic](#)
2. Class Tech Tips - [@ClassTechTips](#)
3. Educational App Advice - [@edappadvice](#)



Questions and Answers

QUESTIONS AND ANSWERS



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