Go to: kahoot.it
No need to download app
Type in a nickname
DIGITAL TECHNOLOGY TO ENHANCE INSTRUCTION

IS TECHNOLOGY EFFECTIVE?

• To do what?
• With whom? By whom?
• Under what conditions?
• With what learning outcomes? (compared to…?)
THE “EVIDENCE” FOR MOST APPS

SUPPORT OF EVIDENCE-BASED PRACTICE


proactivespeech.wordpress.com/2012/10/10/ipad-apps-can-support-evidence-based-practice/
WHAT DOES ONE DO WHEN THERE IS A
PAUCITY OF PUBLISHED RESEARCH

EVIDENCE BASED TEACHING KERNELS
LINDSLEY, KELLER, SKINNER
EVIDENCE-BASED TEACHING KERNELS
EMBRY & BIGLAN (2008); TWYMAN (2014)

- Active Student Responding
  - choral responding
  - guided notes
  - response cards
- Behavioral Momentum
- Behavioral Objectives
- Chaining
  - backward, forward
  - total task
- Contingent Attention & Approval
- Contingency Contract/Behavior Contract
- Data-based Decision Making
- Differential Reinforcement
- Errorless Learning
- Exclusion
- Feedback (Immediate)
- Fluency
- Functional Behavior Analysis/Assessment
- General Case/Multiple Exemplar Training
- Generalization
- Group Contingencies (GBG)
  - dependent
  - independent
  - interdependent
- Incidental Teaching
- Modeling and Imitation
- Observational Learning
- Planned Ignoring
- Premack Principle
- Public Posting
- Priming, Prompting, and Fading
- Reinforcement Schedules
- Response Cost
- Shaping
- Stimulus Control Procedures
- Stimulus Discrimination Procedures
- Task Analysis
- Time Delay
- Timeout
- Token Economy

MINIMAL “EB” CRITERIA FOR APPS

- Clear and Relevant Learning Objectives
- Clear Contingent Feedback
- Instruction that adapts
- Mastery-Based
- High Rates of Active, Meaningful Responding
- Measurement, Performance Reports, Actionable Data
- Attention to Principles

Adapted from Mahon (2014)
"If research-tested programs are not available, then
(1) use those informed by evidence, and
(2) measure, measure, measure."
Autism Learning Games: Camp Discovery
By Center for Autism and Related Disorders

www.getshinythings.com/quickmath

Apps for "Academics"

Apps for Language

Simple
Compound
Complex
Compound Complex
AUGMENTED COMMUNICATION SYSTEMS

Proloqo2go
OneVoice - AAC
Grace App

www.friendshipcircle.org/blog/2011/03/09/7-special-needs-apps-in-the-google-android-market/

PICTURE EXCHANGE COMMUNICATION SYSTEM

PECS
APPS FOR
BEHAVIOR MANAGEMENT &
SOCIAL SKILLS

TECHNOLOGY TO ASSIST BEHAVIOR MANAGEMENT

WWW.CLASSDOJO.COM
MAKING FRIENDS APP

Making Friends Park is designed to help kids with autism learn playground social skills.

http://www.makingfriendsapp.com
TEACHING AND LEARNING

CREATING YOUR OWN

GuidedVideo
http://guidedvideo.com

ENHANCING TEACHING AND LEARNING

CREATING DTT SESSIONS

GuidedVideo
http://guidedvideo.com
Who’s wearing the blue dress?

Record responses on pictures with:
[evryslide](https://evryslide.com)
**TEACHME SKILLS**
www.operantsystems.com

---

1. **Poll Everywhere**

   **How to Respond:**
   Start a new text message.
   - In the To: field
   - Type **22333**
   - Message:
     - type **#s**
     - add a space
     - then type **your answer**
Poll Everywhere

What __________ apps do you use/prefer?

Send text To: 22333

academics 80712 your answer
language 80713 your answer
social skills 80704 your answer
data collection 80700 your answer

FINDING APPS
CURATION & REVIEW SITES
CURATION AND REVIEW SITES

www.inov8-ed.com

Opinion

CURATION AND REVIEW SITES

teacherswithapps.com

http://a4cwn.com/tag/aba/

Opinion
CURATION AND REVIEW SITES

padlet.com/ejones9/sxswautismapps/wish/22667568

Opinion; Crowd Source

CURATION AND REVIEW SITES

The Children's Institute Tech Review Blog
www.tcischool.org

“Expert” Opinion
CURATION AND REVIEW SITES

www.autismspeaks.org/autism-apps

“Expert” Opinion; Some Criteria

CURATION AND REVIEW SITES

www.appitic.com

“Expert” Opinion; Criteria Based; “Tested”
CURATION AND REVIEW SITES

www.graphite.org

“Expert” Opinion; Criteria Based

for example

CURATION AND REVIEW SITES

http://www.spectronicsinoz.com

“Expert” Opinion; Criteria Based
CURATION AND REVIEW SITES

edSurge

https://www.edsurge.com/products/

“Expert” Opinion; Criteria Based

CURATION AND REVIEW SITES

Balefire

www.balefirelabs.com

“Expert” Opinion; Criteria Based
CENTER ON INNOVATIONS IN LEARNING

MOBILE APPS FOR THE CLASSROOM

Free Webinar:
Tuesday, October 21, 2014
2:00 PM - 3:30 PM

www.centeril.org

RUBRICS FOR EVALUATING APPS

http://learninginhand.com/blog/ways-to-evaluate-educational-apps.html
Some Available iOS Data Apps

- ABC Data Pro
- Behavior Tracker Pro
- Skill Tracker Pro
- D.A.T.A.
- Catalyst
- Tally Apps

Courtesy of Ryan L. O’Donnell
Joshua K. Pritchard
Some Available iOS Data Apps

<table>
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<th>Application</th>
<th>Price</th>
<th>Count</th>
<th>Rate</th>
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<th>Duration</th>
<th>IRT</th>
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<td>$9.00 $39.00 /S/M</td>
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</tbody>
</table>

 Courtesy of Ryan L. O’Donnell and Joshua K. Pritchard

“Data tools, online gradebooks and educational dashboards are no longer optional "perks" for a teacher--they are a necessity.”

–PETER BENCIVENGA, DATACATION
ADDITIONAL RESOURCES

HARDWARE

ALTERNATIVE WAYS TO CONTROL THE DEVICE

SETTINGS & GESTURES

Zoom
Speak Selection
Guided Access
Switch Control
Assistive Touch
Access. Shortcuts

Talk Back
Captions
Magnification
BrailleBack
Tools to Enhance Teaching and Learning

SWIVL (Remote Observation)

“Implementation strategies are an essential component to all educational technologies.”
TECHNOLOGY SHOULDN’T BE AVOIDED

off the mark by Mark Parisi

Fran had countless computer problems, but was quick to master the drag-and-drop

5 THINGS I WISH EVERYONE REMEMBERED ABOUT ED TECH:

TECHNOLOGY SHOULD NOT DICTATE THE LESSON
5 THINGS I WISH EVERYONE REMEMBERED ABOUT ED TECH

TECHNOLOGY ISN’T THE PROBLEM

TECHNOLOGY IS SIMPLY A TOOL
TECHNOLOGY IS NOT GOING AWAY

WWW.CENTERIL.ORG

THANK YOU