



Using technology to support students with autism at home and in the community

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Lunch & Learn

July 2



Today's Agenda

- Overview of Technology & ASD
- Strategy examples and demos
 - Recent Research
- VCU ACE Online Resources
 - Question & Answer



Key Points

- Technology greatly broadens our range of tools, but high tech is not always the best tool for every situation.
- Fit the tool to the child

Beware the 60 Minutes effect

Examples of Low Tech Strategies

- Whiteboard
- Fidgets
- Visual cues (highlighters, graphic organizers)
- Adapted seating
- Headphones/earplugs
- Slantboards
- Timer



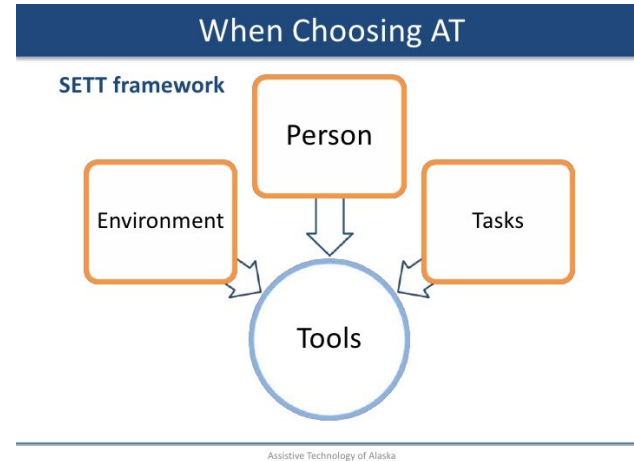
Instructional vs. Assistive Tech

- Textbook=Instructional Tech
- Magnifying glass=AsTech



SETT Framework

- Student
- Environment
- Task
- Tool





Finding the Tool to Fit the Purpose

- What works with our kiddos in home and classroom environments and tasks?





THE NATIONAL PROFESSIONAL DEVELOPMENT CENTER ON
AUTISM SPECTRUM DISORDERS

- <http://autismpdc.fpg.unc.edu/>
- Briefs on 27 evidence-based practices for students with autism
- Implementation guides and summaries





- www.autisminternetmodules.org
- Interactive modules for 'Autism in the Classroom' as well as the home, community, etc.
- Lots of videos and case studies





- VCU-ACE Online Course: Evidence-Based Practices



- Register at:

<https://vcuautismcenter.org/te/courses/effectiveInstruction.cfm>

Augmentative and Alternative Communication (AAC)





Augmentative and Alternative Communication (AAC)

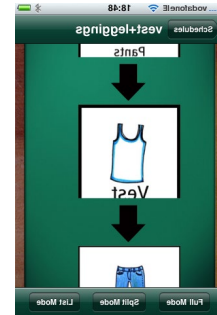
- But does using an AAC prevent or slow the development of natural speech?

NO

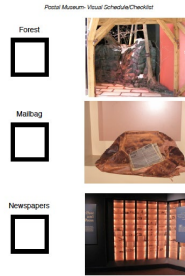
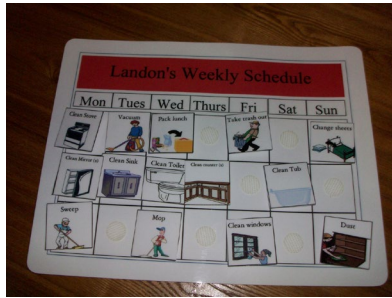
Blischak, D. M., Lombardino, L. J., & Dyson, A. T. (2003). Use of speech-generating devices: In support of natural speech. *Augmentative and Alternative Communication*, 19, 29–35.

Task analysis

- Boardmaker
- Word/Pages
- iPad apps
 - Choiceworks
 - First-then
- Digital camera



Visual schedule



Tommy's Schedule	
Monday	All Done
Put backpack in cubby	
Independent Work	
Morning meeting	
Reading Time	
reading group	
spelling work at desk	
Music Class	
Speech	
Lunch	
Recess	
Special Reading Group	
Pack up backpack	
Go home	

- Vary based on individual student (Written, picture, symbol, etc.)
- Pages/Word or Boardmaker are good to use
- Helps to preview and reduce anxiety about new and routine situations and transitions

Visual supports

- Creating and using visual supports
 - Photos or picture-symbols
- [Time Timer](#)
- [First Then](#)
- [Choiceworks](#)
- [5 point scale](#)



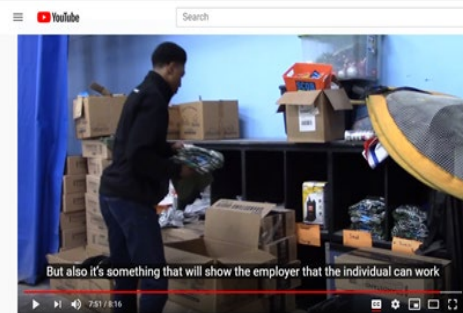
Video modeling

- Easy to make & use
- Highly effective for teaching and generalizing many new skills
- Evidence-based in communication, social skills, vocational, play, and many others



Video resumes

- Beneficial alternative to a traditional interview
- A digital way to share a potential employee's skills to an employer
- How to construct a video resume
 - https://youtu.be/-Ky4WT_b30E

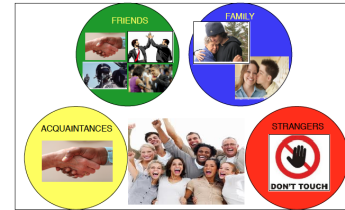


Social narratives

- Keynote (Mac) or Powerpoint
- Boardmaker (PR or Mac)
- Pages (Mac) or Word (PC)
- [Pictello \(app\)](#)
- [Comic Life \(iPad/Mac\)](#)
- [Story Kit \(iPad\)](#)



There is an interactive table that I may touch to see information about the flag. Many people might use it at the same time. I may try to wait my turn and share with others.

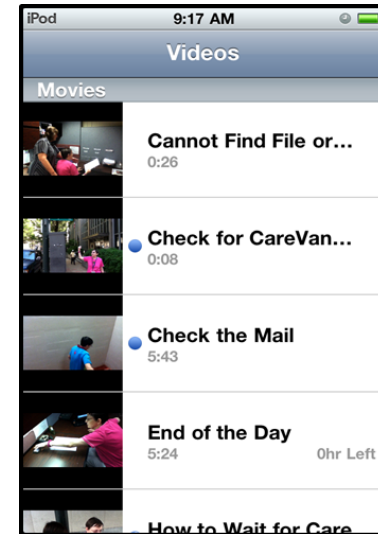
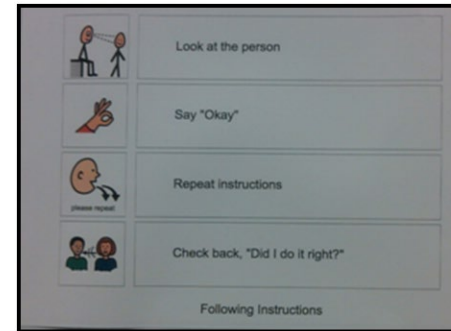


I like following the rules of touching other people. It makes them happy!



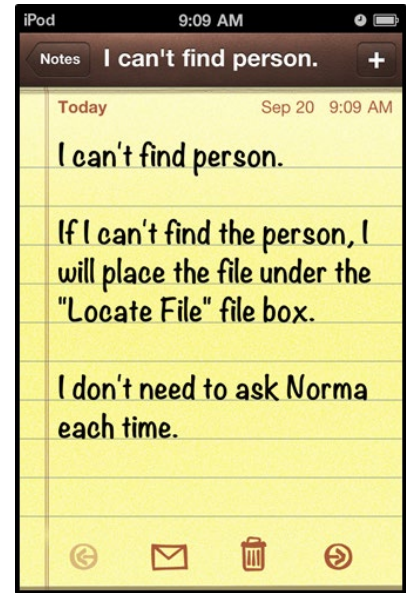
Technology in Transition

- Can be used to prepare students for work
 - social narratives for interview prep
 - video modeling as a teaching tool
 - video resumes
 - visual Schedules



Technology in Transition

- Can create more independence on a job site
 - Using phones as a work tool
 - CanPlan app
 - Notes app
 - Texting
 - Timers
 - Virtual Check Ins
 - Visual Schedules





Using tech & devices at home

- Take a moment to reflect on how technology could be used in the following:
 - Home routines
 - New experiences in the community
 - Adjusting to changes
 - Structuring time management
 - Completing homework

LiveChat





Upcoming Topics

Date	Topic	Presenter
June 4, 2020 12:00 -1:00	Communication Strategies for Families	Stephanie Paull & Charlene Wentland

Registration Link:

https://vcu.zoom.us/meeting/register/tJlkdeusrDwsHdNcnuXggG_jt77dCaKICqfa

Or, go to the www.vcuautismcenter.org and click on Lunch and Learn

For questions or more information

Please visit:

www.vcuautismcenter.org

Or

e-mail: autismcenter@vcu.edu