



Special Needs for Special Education in the Connected Classroom

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Today's Classrooms are connected by:

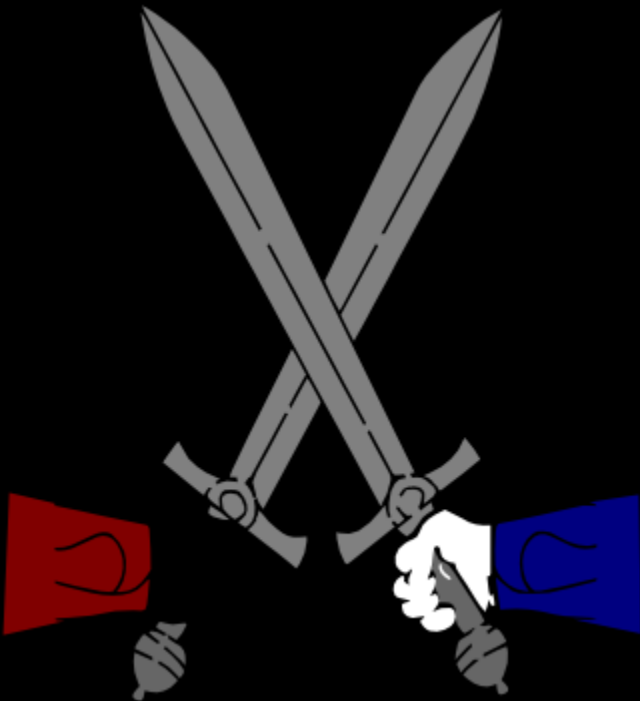
- District Provided Hardware
- B.Y.O.D
- Surreptitious Technology
- Assistive Technology

All for 1 is becoming 1 for All

Educational Assistive Technology has to fulfill the specific needs of a student with Goals and Objectives designed specifically for the Individual Education Plan developed as part of a legal document that addresses the student's students learning deficits.

During three parent meetings, Berner staff and district administrators recently explained to parents the benefits of learning with mobile technologies, like the Chromebook, as well as the procedures and responsibilities associated with their distribution.

The "Learning...Anytime, Anywhere" program is a one-to-one initiative, meaning each Berner student will be assigned a Chromebook as a primary instructional tool. They will bring their assigned Chromebook to each class, as well as home, with parent approval.



Big Money- Blanket Coverage

This fall, 390 of the 659 tablets were dispersed throughout each of the Smithtown district's 13 schools, said [John Nolan](#), director of information technology.

The district spent \$398,000 in federal and state grants, as well as taxpayer money from the general fund's technology budget, on the iPads and corresponding accessories, he said.



B.Y.O.D.

More students will have access to technology in the classroom, and that technology will be more up to date

Students will be more apt to engage in classroom learning and take ownership of their studies if they are using their own technology

Technology follows students, who do not stop learning when they leave the classroom

School districts whose budgets preclude them from making technology purchases will benefit from BYOD

Acceptable student use of shared network resources along with issues of security, device support and appropriate forms of communication need to be developed or a network can be a "Notwork".



“If I see you looking at your
crotch and smiling,
you are dismissed.”

– *Written in a college syllabus and handed
out to students*

“My colleagues and I have students doing clinical rounds
with their phones in their pockets, in their socks, bras,
and in their waist bands in order to have access to their
precious smart phones and hide them from instructors.”

Give the People What They Want

As schools and districts consider the pros and cons of implementing BYOD, a survey of 500 college students was conducted that found 67 percent can't go more than an hour without using some sort of digital technology and 40 percent can't go more than 10 minutes.

The independently-conducted survey was prepared for CourseSmart found that students today are more likely to bring a laptop than a textbook to class

Diverse Needs for Diverse Groups

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The tablets are used for:

- [special education](#)
- English-as-a-second-language programs,
- Administrators
- Board of Education members

Typical Classroom Technology- Classroom with a Connection



SmartBoard

Teacher Computer Operating the Smartboard

1-3 Hard Wired Student Computers

Assistive Classroom Technology- Classroom with a Connection

Smart Board

Teacher Computer Operating the Smart board

1-3 Hard Wired Student Computers

1-3 laptops or I-pads assigned to specific students



Typical Classroom Technology- Connected Classroom

SmartBoard

Teacher Computer Operating the Smartboard

Classroom Computer Center

Portable Devices for each student

For Everyone

On a Cart



Assistive Classroom Technology- Connected Classroom

SmartBoard

Teacher Computer Operating the Smartboard

Portable Devices for each student

Specialized software and apps for select or all students

Environmental changes for Group interaction, Sound Field use

Paperless Productivity

Teaching Differently-

*Ways to Aid **ALL** Students*

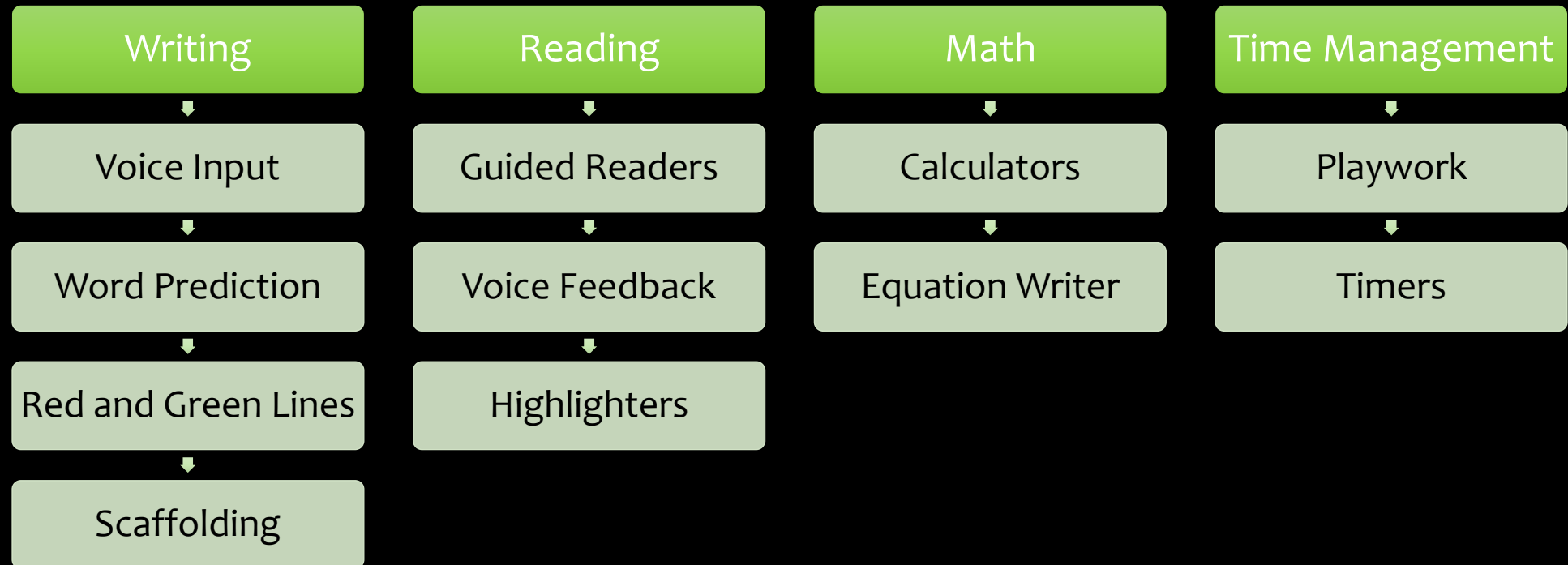
- Make it a Smartboard Not a White Board
- Embrace Universal Design- Common Core is available as an Electronic Curriculum
- Rethink assignments and teaching methods to take advantage of classroom connections
- Don't be a slave to the technology. Books, handwritten work, and lecture should not become verboten
- Accept alternate and electronic submissions

Teaching Differently-

*Ways to Aid **Many** Students*

- Lobby to have beneficial apps for special needs students available for most students
- Have some equipment that has additional disability specific software for IEP students
- Develop assignments and teaching methods to take advantage of students using classroom supports
- Downplay a student who is different by having technology when others may not.

Solutions for Common Needs



Additional Solutions

- Translation software

- <http://www.itranslateapp.com/index.html>
- Google Translate

- Internal Accessibility

- IOS 8- Steroid Siri, Dictation, Word Prediction, Speech capability now built in
- Chrome Apps- Shared documents, Google Classroom, Chrome speak, Splashtop
- I readwrite Free for educators
- Bookshare



- Recording and Cameras

Getting Good Help

- SpecialTeaching.com
 - [Specially Appy](#)
 - [Pinterest](#)
- [The Connected Classroom](#)
- <https://www.coursera.org/course/virtualassessment>
- <http://www.slideshare.net/esailers/i-pads-for-special-needs>