



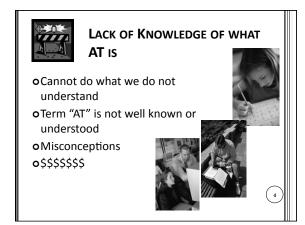
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## **BARRIERS TO AT USE**



- 1. Lack of knowledge about what AT is
- 2. Lack of administrative directive or support to learn about AT
- Lack of vision of the value of AT and how it can fit into school improvement
- 4. Fear of change

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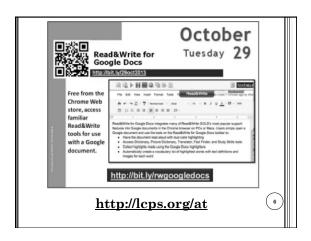


## **CLASSROOM EVALUATION**

Bugaj, C.R. & Norton-Darr, S. (2010) Suggest:

- Looking at the entire classroom
- Noting supports and strategies already being used
- Recommending tools that multiple students can use
- Think about principles of UDL





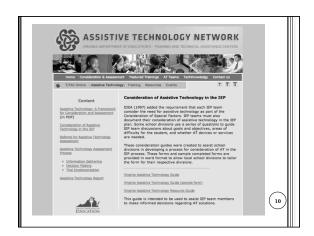
## **OTHER RESOURCES ABOUT TECH TOOLS**

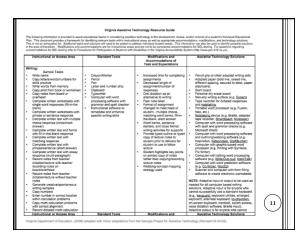
- oMaryland Learning Links \_ Match Up Tool
  - http://marylandlearninglinks.org/3815
- oVirginia AT Resource Guide
  - http://ttaconline.org/atsdp/
- o You Tube videos search for Assistive Technology
  - Assistive Tools for Reading from iCATOR













## LACK OF ADMINISTRATIVE DIRECTIVE OR SUPPORT TO LEARN ABOUT **AT**

Administrators are the Key to Successful AT Use



- Leadership
- Management
- Supervision
- Program Development



## ENLIST AID OF ADMINISTRATORS/SUPERVISORS

- o Special Education Directors
- **o** Knowledgeable principal at each level
- Immediate supervisor is key to implementation of new ideas
  - Reinforcement
  - Monitoring of progress
  - Access to Resources
     Broad & Newstrom (1992)
     O'dwyer, Russell & Bebell (2004)



## **SHARE RESEARCH ON AT**

AT can improve outcomes:

- oMath (Maccini & Gagnon, 2005)
- o Writing (Sitko, Laine, & Sitko, 2005, Behrman, 2006)
- o Reading (Strangman & Dalton, 2005)
- oAchievement of IEP goals (Watson, Ito, Smith & Anderson, 2010)
- o Students with physical disabilities (Johnson, Dudgeon, Kuehn, & Walker, 2007)



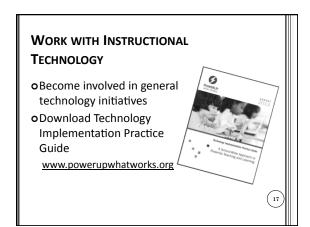


LACK OF VISION OF THE VALUE OF AT AND HOW IT CAN FIT INTO SCHOOL IMPROVEMENT

We must change the *vision* of AT and the *vision* of AT's inherent value. To do that we must address it directly.



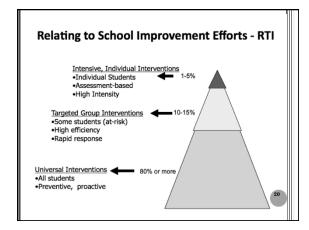
# Connectors O Mavens O Salesman O Gladwell, 2002

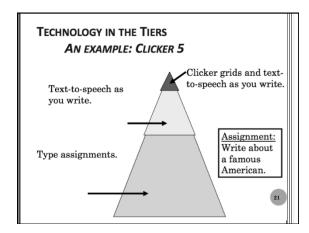


		Levels of Progress				
Row	Focus Areas	Early Tech	Developing Tech	Proficient Tech	Advanced Tech	
(K)	Universal Access: Integration of Universal Design and Assistive Technology	Emerging awareness of universal designs and assistive technologies (hardware/software) limited to special educators; few examples across the district of universal design strategies or assistive technology used to promote access to the general curriculum.	Awareness of universal design and assistive technologies (hardware/software) by special educators & some general educators; activate strategies or assistive technology used to promote access to the general curriculum demonstrated across all grade levels.	Awareness of universal design and assistive technologies (hardware/software) by special educators & most general educators & most general educators & strategies or saistive technology used to promote access to the general curriculum demonstrated across all grade levels; staff are designated to provide AT assessment, provoude AT assessment, procurement, support (training) and maintenance.	Systemic adoption of universal design strategies throughout to curriculum and the seamless integration of assistive technology to promote access to the general curriculum for all students; staff are designated to provide AT assessment, procurement, support (training), and maintenance.	

## KNOW THE MARKERS FOR SCHOOL SUCCESS

- oCome in to Kindergarten ready to learn
- Reading on grade level at Grade 3
- oGood attendance in Grade 6
- o Passing score on math tests in Grade 8
- **o**On track in Grade 9 with Six credits high school credits
- o12<sup>th</sup> grade, 9 college credits





# **ALTERABLE VARIABLES CHART**

	PBS Inter	nsive, Individual Supports	
What rule is being broken and in what routine? What is the behavior?	What is the possible cause?	How can it be decreased or prevented?	What supports might be provided or skills taught?
Respectful in small group: Jack keeps getting up and leaving small group activity.	He is bored.  He doesn't know what to do.	Show him the order of activities visually. Find out his interest and plan an activity that largets them. Makes sure has background information to understand topic. Use a street to help him extend his Use a street to help him extend his Give him a more challenging task. Finor to activity use the visual schedule to explain to him what will happen in small group time. Pre-seach the task. Make a visual poster of the rules for group activities.  In the contraction of the rules for group activities.	Visual schedule (with pictures if needed). Provide timer with needed features (e.g., does it need to be silent?).  Visual Scheduledigital schedule Visual poster Recorded directions/reminders
	He is not able to do the assigned task.	Identify the part of the activity that is too difficult for him and eliminate or substitute.     Give him a specific job that you know he can do.     Provide several alternatives to do the task	Provide alternative way to access information from text.     Provide alternative way to document his knowledge.     Alternatives (e.g. materials to make art project, recorder to tell facts, software to make slidgs show, text-to-speech, etc.)



## **F**EAR OF **C**HANGE

## A + B + C > X = Change

- **o**A = shared dissatisfaction with current state by a critical mass
- **o**B = shared vision of desired state by a critical
- oC = Practical steps of moving from current state to desired state
- oX = Cost of change

-Garmston

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## IT IS IMPORTANT TO KNOW:

- oThat people have real concerns about any new idea or innovation,
- oThat those concerns cannot be ignored, and
- **o**What those concerns are, in order to respond to them appropriately!



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## **CREATE GROUPS**



- Especially important for women
- o Need to "tend and befriend" when under stress

o Taylor, et.al.

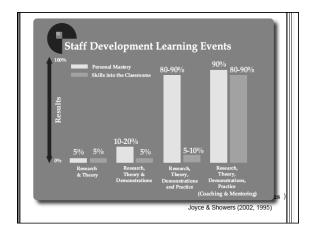
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### **USE INSTRUCTIONAL COACHING**

Instructional Coaching – <a href="http://www.instructionalcoach.org/">http://www.instructionalcoach.org/</a>

Without Coaching -- the ideas either never occur or die away as the excitement fades and no new learning or movement occurs.

\*Schwartz & Begley (2002), The Mind and the Brain



## COACHING IS DIFFERENT FROM CONSULTING OR COLLABORATING

- Goal (transform vs. work together or inform)
- o Focus (person vs. content)
- o Communication style (asking vs. telling)
- Accountability (teacher vs. team or AT Specialist)
- Role (partner and mediator of thinking vs. colleague or expert)



A VISION WITHOUT A TASK IS BUT A DREAM. A TASK WITHOUT A VISION IS DRUDGERY. A VISION WITH A TASK IS THE HOPE OF THE WORLD.



Inscription in a church Sussex, england, 1730