

Lights, Camera, Autism!
Using Video Technology to
Enhance Lives

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What is Technology?

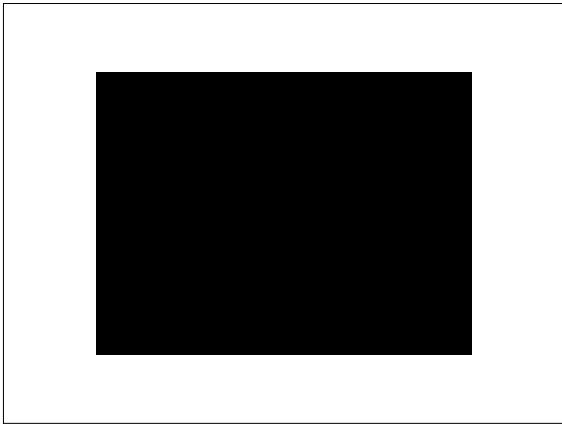
First "their definition"

1. The practical application of knowledge especially in a particular area
2. A manner of accomplishing a task especially using technical processes, methods, or knowledge
3. the specialized aspects of a particular field of endeavor

From: Merriam-Webster

Our definition for today

We are going to call it
"Video Technology"
For us, this means utilizing
technology that contains
pictures that **Move**



Utilizing Video Technology:

What are the different mediums?

- Home made movies
- Purchased movies
- Power Point Presentations
- Television
- Movie clips
- Video and Computer Games
- iPad, iPodTouch, Droid and other electronic handheld devices



Let's not be limited by mediums

While certain uses will dictate a specific medium be used, most of the uses will carry over between mediums, and be useful for the mediums of tomorrow.

Why so useful for people with autism?

Benefits for individuals with autism

- Repetition of materials
- Many already possess skills needed to access the technology
- Borders – focus attention

Benefits for individuals with autism

- Controlled
 - No surprises
 - Sensory
 - No social expectations
 - Video technology allows us to teach without the “distraction of human interaction”
» (Neumann, 2004)

Benefits for individuals with autism

- Allows for supports that do not stigmatize
- Many individuals with autism think in pictures

"I THINK IN PICTURES. Words are like a second language to me. I translate both spoken and written words into full-color movies, complete with sound, which run like a VCR tape in my head."
Temple Grandin, 1995

What Does the Research Tell Us?

- Research has found that the use of video modeling (including self modeling and peer modeling) can have a great positive impact in the areas of social communication, daily functioning skills, and academic performance on children with various disabilities (e.g., Apple, Billingsley, & Schwartz, 2005)



Research

- The National Teacher Training Institute found that ALL students learn more when television and video are incorporated into teaching.
 - Students are more engaged
 - Students learn and retain more

(From NTTI Survey of over 1100 elementary, middle, and high school students, 2003)

Research

- IN FACT...
 - Video modeling was shown to be more effective than in-vivo (live) modeling. It had faster rates of acquisition and was more effective in promoting generalization (Charlop-Christy, Le, & Freeman, 2000).

Now for some definitions



Video Modeling



Video modeling is an instructional process of videotaping behaviors in a specific way in order to develop the ability to memorize, imitate and generalize those behaviors.

Video Self-Modeling



A means to educate an individual by viewing of themselves on video, with the intention of teaching a novel skill

Feedforward



- Specific type of video modeling
- Video of individual engaging in the act of completing skills not yet learned
- A way to introduce a new skill or behavior

Positive Self Review



reinforcing an already known skill to improve performance or fluency

USES of Video Technology

1. Promoting Competence and Enhancing Lives
2. Teaching new skills
3. Neurological supports
4. Communication supports
5. Teaching others

Our focus today.....

Enhancing Life and Promoting Competence

Enhancing Lives and Promoting Competence

- Address
- Heal
- Celebrate
- Document
- Connect



Personal History

- To create a visual history (video, PowerPoint, or computer slideshow) of a person's life from their perspective.
- It can be vital for people to have a history of their lives to share with others and to view themselves, including the important people, places, and passions of their lives.

Personal Preference



Happiness is.....

- To create a visual compilation (video, PowerPoint or computer slideshow) of the elements in a person's life that bring them happiness and joy.

“The happier someone is, the less challenges they experience in life.”
(LaVigna, 1988)

Trains...



Things I Love

by Megan



Disney Movies



Vanilla Cupcakes



My Bean Bag



The Playground



Pink Tennis Shoes



My Mom



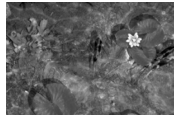
Calming

- To create a visual record (video, PowerPoint, or computer slideshow) that can be viewed at those times when a person is anxious/agitated, or simply to make life better for the individual.

Angels



- iPod Touch or iPad Applications
 - iZen Garden
 - Pocket Pond
 - Blow Fish Poppers
 - Anxiety



Celebrations and Important Moments

- To record events in a person's life that are celebratory and important from the individual's perspective.

Bob Barker



Tom Brokaw



Self Advocacy

- Self-advocacy videos are videos that individuals either create themselves or ask others to create for them as a means of sharing information about themselves or their disability.



Affirmations for Building Self Esteem

- To create a visual compilation of affirmations for the purpose of building self-esteem and neutralizing negative messages the person might have received in their life.



Introducing...Me

By Aaron Emery
(with a little help from my Speech Therapist, Mrs.





Some Facts about me

- Passionate about reading (1st Place in 2010 Florence's Reading Olympics)
- Really fond of logic puzzles and sudoku
- "Self-proclaimed" origami genius
- 2nd oldest of seven brothers
- Loves kickball, baseball, dodge

Some "little" known facts

- Can do a pretty good British accent
- I am color blind
- I love grilled cheese and chicken noodle soup (BUT not at the same time)
- Can make you laugh when you're feeling down ☺

My Strengths

- Math
- Spelling
- Vocabulary
- Oral Participation in Classroom Discussions
- Reading
- Hands-on, interactive projects

Things I'd Like you to Know

- I really don't like to write and prefer to type assignments
- Group assignments are easier than independent work
- I'm very competitive
- I have difficulty with organization of work
- I appreciate outlines, due dates

Things I'd Like you to Know

- I tend to get silly when I'm not on task or when I'm bored
- I work better with less distractions
- Sometimes, I say things I don't mean and regret them almost instantaneously.
- My social judgment skills are an area I'm constantly striving to

7th Grade Ambitions

- To have fun
- Learn new things
- Enjoy class changes
- To read new and exciting material
- New music pieces in band
- Choir
- Wrestling, Baseball, Soccer

What Asperger's Means to Me

“I have **Asperger’s Syndrome**, but it doesn’t define who I am. Everyone’s *different* and I guess I’m just a little more so. I may need some support and understanding, but with a little bit of investment, I can offer a lot in return.”

Final Thoughts...

“You learn more quickly under the guidance of experienced teachers. You waste a lot of time going down blind alleys if you have no one to lead you.” ~W. Somerset

“Teachers open the door. You enter

A Thank You...

This is my first IEP meeting and being here means a lot to me. I'm looking forward to having a great year next year.

To Mrs. Cook and Mr. Premo-Thanks for believing in me and making me a better student.



HOW TO STEPS:

- Picture Goal's) of video
- Consider your audience
 - Length of video
 - Perspective shot from
 - Need for continuity
- Shoot video
- Develop schedule for viewing

TOP TIPS FOR VIDEO MODELING AND VIDEO SELF-MODELING

- Technique is most effective if you are teaching only one or two steps further than where the individual is currently functioning

– When a behavior is too far ahead, learner is less likely to gain the skills shown in the video (Baldwin & Baldwin, 1986)



Learners are more able to imitate models who are closer to themselves. The more similar the model is to the learner, the more likely that the learner will imitate. (Kornhaber and Schroeder, 1975)

- Skills
- Age
- Status
- Physical appearance



• Learners are more likely to imitate people seen as competent. (Dowrick and Jesdale, 2001)

• Learners are more likely to attend to video models that break down complex tasks into smaller steps
Kazdin, 2001

– Video should only target 1-2 steps per time



Don't be afraid
to try!

Thank You!!!

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www.cbrpress.com
