Video Modeling
Using iPad/iMovies/Picture Scheduler

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OBJECTIVES

1. Understand best practices for video self modeling.

2. Access to resources for evidence based research.

3. Learn how to capture, edit and organize videos using iMovies and Picture Scheduler.

4. implement video modeling into your therapy program

Agenda

Background & Basics
Case Examples
Evidence Based Research
Planning (documentation etc.
iMovies Tutorial
Implementation
Commercial Products
Resources

Video Modeling
Video Self Modeling
Point of View
Video Prompting

National Professional Development Center on Autisom Spectrum Disorders
http://autismpdc.fpg.unc.edu/content/video-modeling

Why VSM?
• Success and maint

Video Modeling

Recording someone engaged in the target behavior

Video Self Modeling

(VSM) is a form of observational learning in which videos are manipulated so that a person is able to watch themselves performing a behavior correctly or at an advanced level. (Tom Buggey)

Video Self Modeling

• The subject is the model
• Focus on positive
  • *Video is edited so that only the best examples of the behavior or task are viewed.
• Expect change

Cindy Nankee

Point of View

Recording a task from the perspective of the learner

Video Prompting

Recording individual steps within a task with the opportunity for the learner to practice each step

What is VSM being used for?

- Social Skills
- Behavioral skills
- Communication
- Motor skills
- Academic skills
- Computer skills
- Activities of daily Living
- Vocational skills

Who is using VSM?

- Special Educators
- Occupational Therapists
- Speech & Language Pathologists
- Physical Therapists
- Vision & Hearing teachers
- Specially Designed Phy. Ed.
- Vocational Rehab
- Parents & Family
- Paraprofessionals

(om Buggey)

Who Benefits from VSM?

- Autism Spectrum Disorder (ASD)
- Developmental Disorders
- ADHD
- Downs Syndrome
- Cognitive Disabilities
  (Define by skill or behavior not diagnosis)

Why VSM?

- Success and maintenance
- Generalization to other environments
- Easy video capture with cameras and mobile devices
- Cost effective
- Commercial Products

Prerequisites

- Self recognition (ages 18-24 months)
- Attention span (2-3 minutes)
- Retention or recall
- Motor ability
- Motivation

Where is VM being used?

Therapy

Motor skills
Perceptual skills
Direction following
ADLs
Communication skills
Gait training

Ally

Classroom

Writing skills
Reading fluency
Computer training
Social and behavioral

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Home

Activities of Daily Living routines
Dressing
Hygiene
Cooking
Cleaning
Transitions

Activities of Daily Living

Community

Life Skills
Safety
Recreation / Leisure
Job
Shopping
Money management

Recreation

Transition

Independent Living
Vocational Training

Ally

Evidence Based Practice

Evidence Based Practice

National Professional
Development Center on Autism
Spectrum Disorder recognizes
Video Modeling as an evidence
based practice
http://autismpdc.fpg.unc.edu/
AIM – Autism Internet Modules
EBP Briefs – forms, checklist

Evidence Based Practice

- Research (Randomized - Case Study)
- Professional Judgment (why would it be best for the client)
- Values & Preferences (individuals, families, care provider)
- Capacity (Ability to deliver and deliver as stated in research)

Dr. Patricia Wright

Research

Research began in the 1970s
Focused on children on the autism spectrum
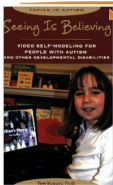Dr. Tom Buggey
Albert Bandura
Peter Dowrick

Research

www.universaltech4learning.com

Karen Stindt: A compilation of research.

http://www.lynchburg.edu/Documents/GraduateStudies/Journal/F

Resource

Tom Buggey Ph.D.
Seeing Is Believing
http://www.utc.edu/Faculty/Tom-Buggey/

Research

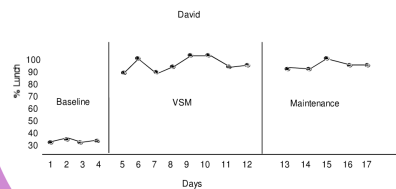Research indicates that VSM is an effective means for teaching :
- Behavioral functioning
- Social Communication Skills
- Functional skills
- Academic skills and behaviors

Research

Research indicates that VSM:
- Skills maintain for months
- Generalize to other persons and setting

Acquisition and Maintenance
Dr. Tom Buggy

David

% Lunch — 100 90 80 70 60 50 40 30

Baseline | VSM | Maintenance

Days 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17
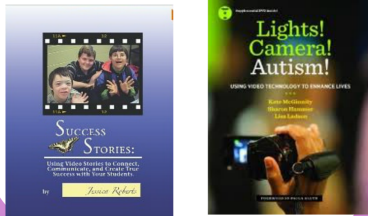

Research
Bandura 1997

The more similar somebody is to the model he is watching, the more closely that person will pay attention to the model (gender, age, race, ability)
People are more likely to attempt a skill if they feel confident they can do it.

Research
iPod

The Journal of Positive Behavior Interventions found that teaching autistic students desired behaviors with instructional demonstrations via the iPod, also known as video modeling, improved their ability to move between classrooms without wandering off or hitting each other. The study found the iPod was optimal because video clips could be easily repeated, widely distributed, and watched anywhere.

Resources

National Professional Development Center on Autism Spectrum Disorder

http://autismpdc.fpg.unc.edu/

Planning

Documentation
Assessment
Task Analysis
Tools
Data Collection
Sharing

Documentation

- Department Policy
- Video/Photo Release
- Parent letter
- IEP
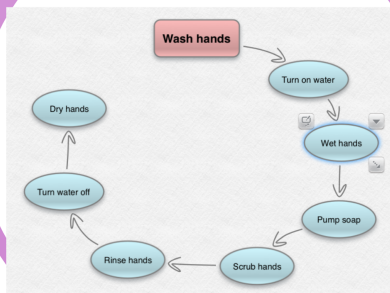
http://www.universaltech4learning.com

Assessent

- Determine behavior to change
- Determine replacement behavior

TASK ANALYSIS

- Skill developmentally appropriate
- Skill within child's ability
- Slightly above function level

Task Analysis
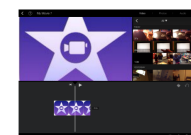### Develop Storyboard or Script

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Data Collection

National Professional Development Center http://autismpdc.fpg.unc.edu/
Implementation Checklist for Video Modeling

Module: Video Modeling

Date	Observer Initials	Target Skill/Behavior, Comments, and Plans for Next Steps
Date	Observer Initials	Target Skill/Behavior, Comments, and Plans for Next Steps

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Planning/Tools

iPad
iMovies

iMovies 2.0

Create projects

Edit video: crop, split, zoom, freeze, titles, transitions

Edit audio: dettach, voice over, crop, split, speed.

Share

VIDEO CAPTURE

- Imitation
- Role Playing (scripted)
- Peer model (hand and mouth models)
- Point of View
- Feed forward
- Chaining
- Short video clips vs. extended video

Implementation of Video Playback

- Prior to activity
- Designated time in class schedule
- As frequently as they want to view
- Mobile, on the fly
- Fade out upon goal achievement

Plan for Progress

- Results may be immediate
- Fade frequency of VSM
- No results after 5 viewings
  - Re-evaluate
  - Break down task

ACTION ACTIVITY!
Story Board Task Analysis

- Select task (ADL routine/motor/language/academic/behavioral)
- Determine behavior to change
- Task analysis /Story board
- Verbal promptss
- Select method: Roll play, imitation, self model, peer model, point of view

Beyond VSM

- Video modeling is a valuable tool for self improvement
- Staff training
- Motivation tool
- Visual schedule
- Assessment
- Digital Portfolio

Video Capture & Editing using iMovies & Picture Scheduler

Video Capture

- Take video using the iPad camera, save to camera roll
- Take video directly from iMovies using the iPad camera
- Transfer video from camera to iPad
- Manage video in iTunes

IMOVIES TUTORIAL

- Load iMovies App to you iPad
- Open iMovies on your iPad
- Click lower left hand corner. Explore
- iMovies App Tutorial:

Tools for Sharing
Camera roll
  Google Drive
  Apps
  Device-device
  Camera connection kit
Air Play
iTunes

Commercial Products

Conover Company Apps http://www.conovercompany.com/

Literacy Skills Sampler
Social Skills Sampler
Survival Signs
Life Skills Sampler
Everyday Social Skills
Initiating Social Skills
Money Equivalence

Schedule Planner

Video Sched...

...orks

Social Express Lite

iCommunicate

Picture Scheduler

Video Scheduler

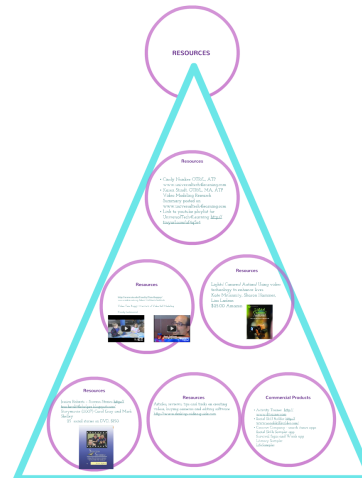**Social Express Lite**

Model me Kids

Communication Apps

Go Talk Now

iCommunicate

Choiceworks

Visual Schedule Planner

RESOURCES

Resources

- Cindy Nankee OTR/L, ATP www.universaltech4learning.com
- Karen Stindt, OTR/L, MA, ATP Video Modeling Research Summary posted on www.universaltech4learning.com
- Link to youtube playlist for UniversalTech4Learning http://tinyurl.com/af4q5r4

Resources

http://www.utc.edu/Faculty/Tom-Buggey/
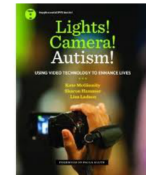www.siskinvsm.org Siskin Children's Institute

Video: Tom Buggy Overview of Video Self Modeling

Family testimonial:

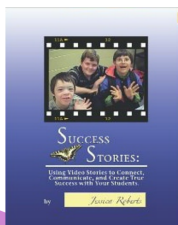## Resources

Lights! Camera! Autism! Using video technology to enhance lives
Kate McGinnity, Sharon Hammer, Lisa Ladson
$25.00 Amazon

Resources

Jessica Roberts – Success Stories http://teacherslittlehelper.blogspot.com/
Storymovie (2007) Carol Gray and Mark Shelley
    25 social stories on DVD, $150.

Resources

Articles, reviews, tips and tricks on creating videos, buying cameras and editing software
http://www.desktop-video-guide.com

Commercial Products

- Activity Trainer http://www.dttrainer.com
- Social Skill Builder http://www.socialskillbuilder.com/
- Conover Company - search itunes apps
  Social Skills Sampler app
  Survival Signs and Words app
  Literacy Sampler
  LifeSampler