

ABA in the Schools

Evidence Based Teaching

WELCOME

Statements are based on appropriate behavior analytic literature & practice

Statements are otherwise consistent with the Behavior Analyst Certification Board Guidelines for Responsible Conduct

The Big Picture:

- ❖ Evidence-Based Practices & Autism
- ❖ Effective teaching based on principles of Applied Behavior Analysis
- ❖ Build on what you already know about structured teaching

Terminal Objective:

Upon returning to our schools, we will be motivated to identify our professional next steps in using evidence-based teaching practices.

Why use ABA principles with kids?



Thirty years of research demonstrated the efficacy of applied behavioral methods in reducing inappropriate behavior and in increasing communication, learning, and appropriate social behavior.

David Satcher, M.D., Ph.D.
Surgeon General USA

Evidence-Based Practice

Effective treatment or teaching means it has been supported in scientific literature.



Established treatments, according to the National Standards Project, are those with sufficient evidence to confidently determine that a treatment produces favorable outcomes for individuals on the autism spectrum.



The treatments are established as **EFFECTIVE.**

What (and How) we need to teach:

According to Cooper, Heron and Heward (2007), “The most socially significant behavior changes are those that last over time, are used by the learner in all relevant settings and situations, and are accompanied by changes in other relevant responses”

p. 615)

Why use ABA principles with kids with autism?

Evidence-based Practices

- Antecedent-Based Interventions (ABI)
- Computer-Aided Instruction
- Differential Reinforcement
- Discrete Trial Training
- Extinction
- Functional Behavior Assessment
- Functional Communication Training
- Naturalistic Intervention
- Parent-Implemented Intervention
- Peer-Mediated Instruction and Intervention
- Picture Exchange Communication System (PECS)

By the National Professional Development Center on ASDs

- Pivotal Response Training
- Prompting
- Reinforcement
- Response Interruption/Redirection
- Self-Management
- Social Narratives
- Social Skills Groups
- Speech Generating Devices/VOCA
- Structured Work Systems
- Task Analysis
- Time Delay
- Video Modeling
- Visual Supports

What is ABA?

- ✓ Functional Behavior Assessment
- ✓ Behavior Intervention Plan
- ✓ PBIS – Positive Behavior Supports
- ✓ Token Economy / I am working for _____
- ✓ First _____ Then _____
- ✓ Task Analysis
- ✓ Chaining, Shaping, Fading
- ✓ Self Management
- ✓ Data collection & Progress Monitoring
- ✓ Verbal Behavior
- ✓ Discrete Trial
- ✓ Picture Exchange Communication (PECS)
- ✓ The “wait” and “break” cards (Pyramid)
- ✓ Functional Communication Training
- ✓ Generalization & Maintenance Procedures
- ✓ Incidental & Natural Environment Teaching
- ✓ Environmental Arrangements (TEACCH physical structure and work systems)
- ✓ Antecedent Procedures (TEACCH visual schedules)



Generalization

Part of a
General Ed
classroom

Part of a
community

Part of a
family

A best friend

A future
employee

Part of a
peer group



Student at a
desk completing
work tasks

Are TEACCH and ABA-based educational programming compatible?

Conditioned Reinforcers

- Pairing special interests
- First ____ Then ____

Environmental Arrangements

- Physical structure
- Work systems

Discrete Trial Teaching

- Skill acquisition at the table

Antecedent-based Interventions

- Visual schedules
- Visual supports

CHD & NAU – coursework & supervision

- Opportunities and contact information
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- <http://www.uaa.alaska.edu/centerforhumandevlopment/bcb>
[a/](#)

UAA – BCaBA program

If I'm interested in learning more, what are some resources I can start out with?

- OCALI - <http://www.ocali.org/>
- Rethink Autism – free trial / video examples
- The ABA Program Companion - ISBN-10: **0966526678**
- A Work in Progress - ISBN-10: **0966526600**
- Journal of Applied Behavior Analysis (full text articles free online) - <http://seab.envmmed.rochester.edu/jaba/>
- Printable Data Sheets - www.polyxo.com/documents
- Behavior Analyst Certification Board - www.BACB.com
- Autism Speaks - <http://www.autismspeaks.org/what-autism/treatment/applied-behavior-analysis-aba>