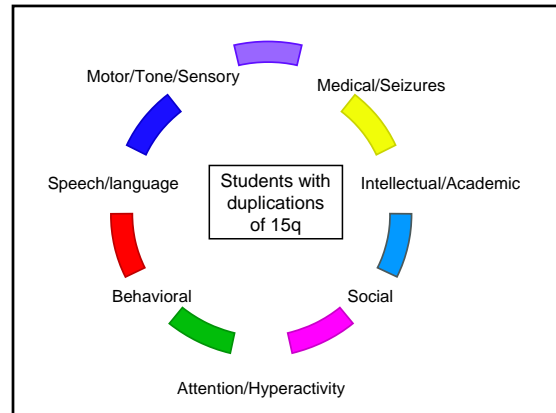


Educational Best Practices for Students with Duplications of 15q

Barbara Haas-Givler, MEd., BCBA
Genetic Services at Elwyn



What's in a Name?

- ASD=Autism Spectrum Disorders
- PDD =Pervasive Developmental Disorder
- ID = Intellectual and Developmental Disability (formerly MR)



Pervasive Developmental Disorders

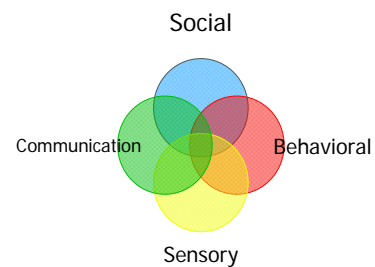


- **PERVASIVE** – having the power to spread throughout
- **DEVELOPMENTAL** – related to the process of growth or development
- **DISORDER** – to disturb the order or regular function of
- PDD=ASD

Characteristics of Autism

- Lack of or delay in spoken language
- Repetitive use of language and/or motor mannerisms (e.g., hand-flapping, twirling objects)
- Little or no eye contact
- Lack of interest in peer relationships
- Lack of spontaneous or make-believe play
- Persistent fixation on parts of objects

Core areas



“Best” Practices



- Consistency, Structure and Routine
- Firm, well-defined limits
- Activities that foster independence and choices
- Natural breaks for movement
- Data collection, re-assessment, progress monitoring
- Staff support, training and development

Visual timers



www.timetracker.org



www.timetimer.org

“Best” Practices



- Attention to sensory issues
- Minimize triggers
- Minimize distractors
- Physical environment arrangement
- Visual schedules and supports
- Variety of multi-sensory materials



“Best” Practices



- Attention to signs of anxiety
- Behavioral Chain
 - Interrupt, distract, redirect before out of control
- Behavioral Momentum
- Reinforcing activities following non preferred or difficult tasks
- Pair less preferred activities with preferred activities



“Pair” with reinforcers



“Best” Practices



- Functional Communication Training (FCT)
 - Acceptable way to request/protest
- Social Skills Training
 - Social stories/photo stories
 - Structured play
 - Video modeling



Is it a Tool or a Toolbox?



- Theory
- Philosophy
- Communication system
- Curriculum
- Tool – Technique
- Model
- Program
- Intervention



What is ABA?



APPLIED-interventions used with individuals in their natural settings and target behaviors significant for the person's social and day to day living

BEHAVIORAL – interventions are based on behavioral principles

ANALYSIS-therapeutic decisions are based on ongoing data collection

ABA is not



- ABA is not just for students with autism spectrum disorders
- ABA is not one program
- ABA is not just for schools or therapy settings
- ABA is not the Lovaas method
- ABA is not Discrete Trial Training (DTT)
- DTT is not the Lovaas Method

Behavioral Interventions ABA



ABA as a therapeutic approach can be used 24/7 – many effective teaching methods utilize this approach

- Positive/Negative reinforcement
- Shaping
- Schedules of reinforcement

Behavioral Interventions DTT a tool of ABA



DTT – Discrete Trial Training

- Teaching method/intervention of ABA
- DTT is a single cycle of behaviorally based instruction routine or trial
- SD/antecedent -> R/behavioral response
->SR/consequence with brief ITI (inter-trial interval)

Show me apple>touches apple>"good job"

Behavioral - Lovaas



LOVAAS >40 years ago Dr. O Ivar Lovaas started the UCLA Model of Applied Behavior Analysis; 1995 LIFE (Lovaas Institute for Early Intervention)

- 40 hours a week
- early intensive intervention prior to 5
- In home and community

Behavioral - Lovaas



Lovaas model

- Extensively trained staff
 - Parent and family involvement
 - Compliance training, receptive language, attention
 - Mass trials
 - research and data collection
 - 2004 Replication study of 1987 research
- www.lovaas.com

Behavioral /Educational TEACCH



Treatment and Education of Autistic and related Communication Handicapped Children

- Eric Schopler and Gary Mesibov- North Carolina, 1974
- Individualized assessment – autism culture
- Structured teaching
- Cultivating strengths & interests
- Fostering independent work skills
- On going research and publications
- www.teacch.com

Behavioral Interventions VB/ABA (Communication)



Verbal Behavior is ABA with a verbal behavior emphasis-Skinner's analysis of language

- Verbal Operants: Mand, Receptive, Tact, Intraverbal, Imitation, Echoic, Textual
- Emphasis on "pairing" with reinforcers
- Errorless learning
- Mixed and varied instruction
- Assessment, data collection, target selection
- Natural Environment
- Intensive Teaching Trials (not mass trials)

VB/ABA assessment tools



ABLLS-R Assessment of Basic Language and Learning Skills- Revised

- Dr. Partington and Dr. Sundberg (1998) assessment, curriculum guide and skills tracking system
- www.behavioranalysts.com

VB-MAPP – 2007 Sundberg & Associates

- www.marksundberg.com/vb-mapp.htm

Pivotal Response Training PRT



Drs. Robert and Lynn Koegel

- Child and family involvement
 - Motivation
 - Priming
 - Momentum
 - Communication -
 - Beyond Protest and request
- www.education.ucsb.edu/autism

CLM

Tucci Learning Systems

COMPETENT LEARNER MODEL:

Developing Competent Learners to Facilitate the Mastery of Subject Matter, Use of Tools, and Day to Day Functional Actions



Competent Learner Repertoires Are The Core of All Learning

Communication - Forms



- Gestural - Non Vocal
- Augmentative and Alternative Communication (AAC) System NOT A THING
- Sign Language
 - Manual Language, ASL, Total Communication
- Picture Exchange Communication System (PECS) www.pecs.com – Andrew Bondy 1992

Picture Exchange Communication System - PECS

- Andrew Bondy, 1992
- Lori Frost
- Pyramid Learning System
- www.pecs.com



Communication Tool – choice board



Communication



- Assistive Technology (AT)
 - Dynavox
 - Alphasmart
 - Computer, portable keyboards
 - IPAD

Communication Tools



- Communication Boards, Choice Boards, Schedules
www.members.tripod.com/trainland/communication.htm
www.do2learn.com
- Computer assisted technology – software, touch screens, speech to text

Social Skills Strategies



- Capitalize on strengths
- Practice/role play all roles
 - variety of settings, children and adults
- Real time support & feedback
 - most to least support
- Buddy or mentor
- Personalize strategies

Social - Tools



Social Thinking by Michelle Garcia Winner
www.socialthinking.com

Social Stories by Carol Gray
www.thegraycenter.org

Sensory



SI -Sensory Integration
● Jean Ayres

SPD - Sensory Processing Disorder
● www.spdfoundation.net

Communication/ Sensory



DIR aka Floortime

- Developmental, Individual Difference, Relationship-Based Model and Floor time Activities
- Child based
- Sensory component
- www.stanleygreenspan.com

Visual supports

☑	
1 bathroom <input type="checkbox"/>	6 doll house <input type="checkbox"/>
2 snack <input type="checkbox"/>	7 play outside <input type="checkbox"/>
3 arts & crafts <input type="checkbox"/>	8 games <input type="checkbox"/>
4 puzzle <input type="checkbox"/>	9 cat <input type="checkbox"/>
5 lotion <input type="checkbox"/>	10 bathroom <input type="checkbox"/>

Is there a “Mr. or Mrs. Right”?

- No Cookbook
- Evidence-based program
- Child: program match
- Parent: program match
- Resources: Curriculum
- How many hours?
- What type of therapies?



Team Dynamics



- Respect for one another
- Parent is a team member
- Communication
 - Between School and Home
 - Among staff at school
- Realistic goals

