TRI-STATE WEBINAR SERIES

Transdisciplinary Practice for Navigating Communication-Verbal Behavior

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Tri-State Autism Spectrum Disorder Webinar Series



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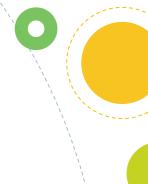
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Welcome





Jodi LeGray

Clinical Doctorate in Speech-Language Pathology (SLP)

CDE Autism Specialsit

Aurora Public Schools

Rocky Mountain University of Health Professions

Kelly Tousley

Masters in early childhood special education (ECSE)

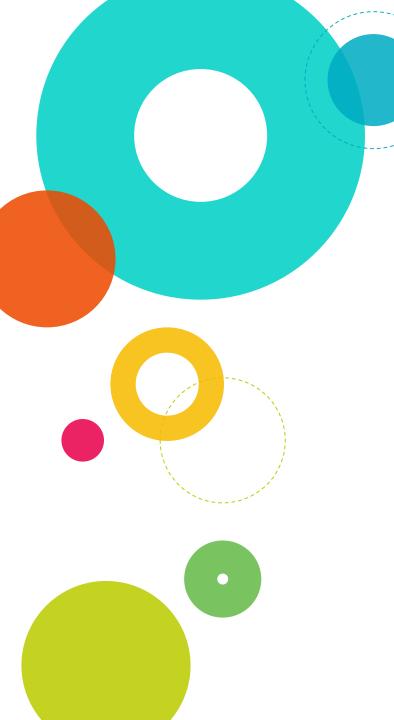
Registered Behavior Technician (RBT)

Graduate Student of Applied Behavior Analysis

Uncompaghre BOCES Autism

3 Specialist

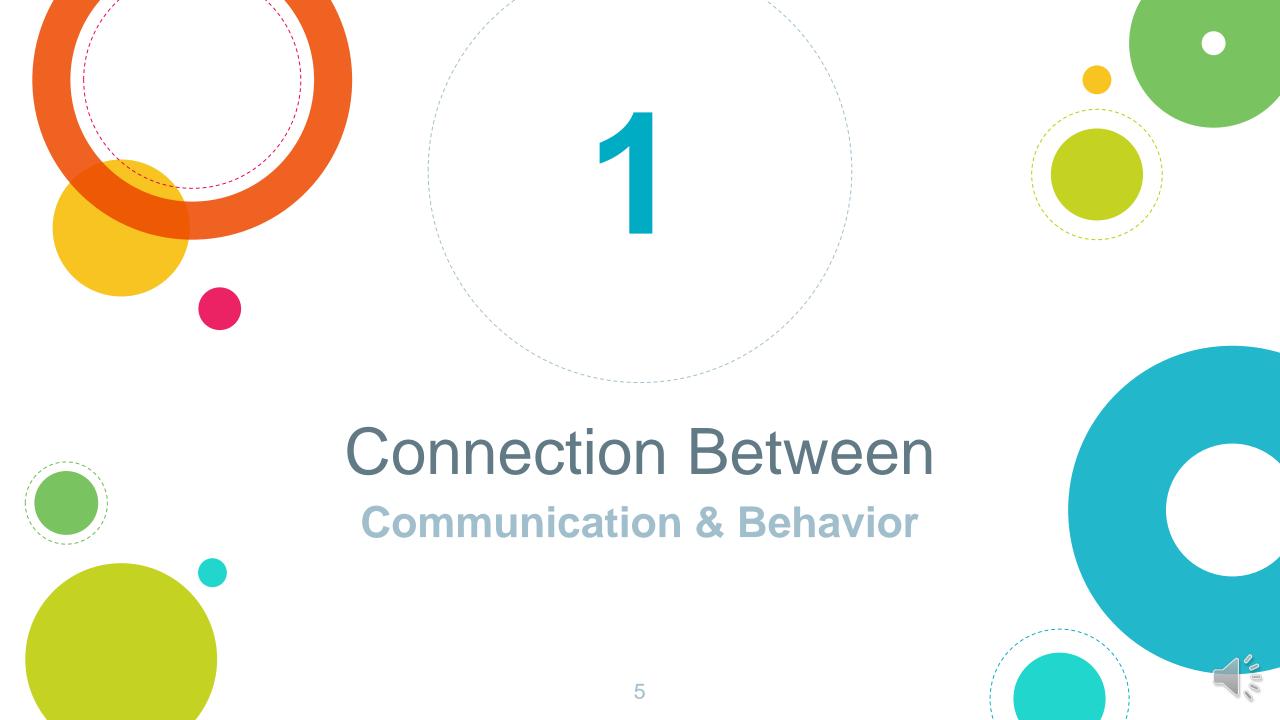




Objectives; Participants will...

- Understand how behavior and communication are connected
- Identify the overlaps that occur between speech-language pathology and behavior analysis
- Recognize the benefits that occur with a transdisciplinary approach



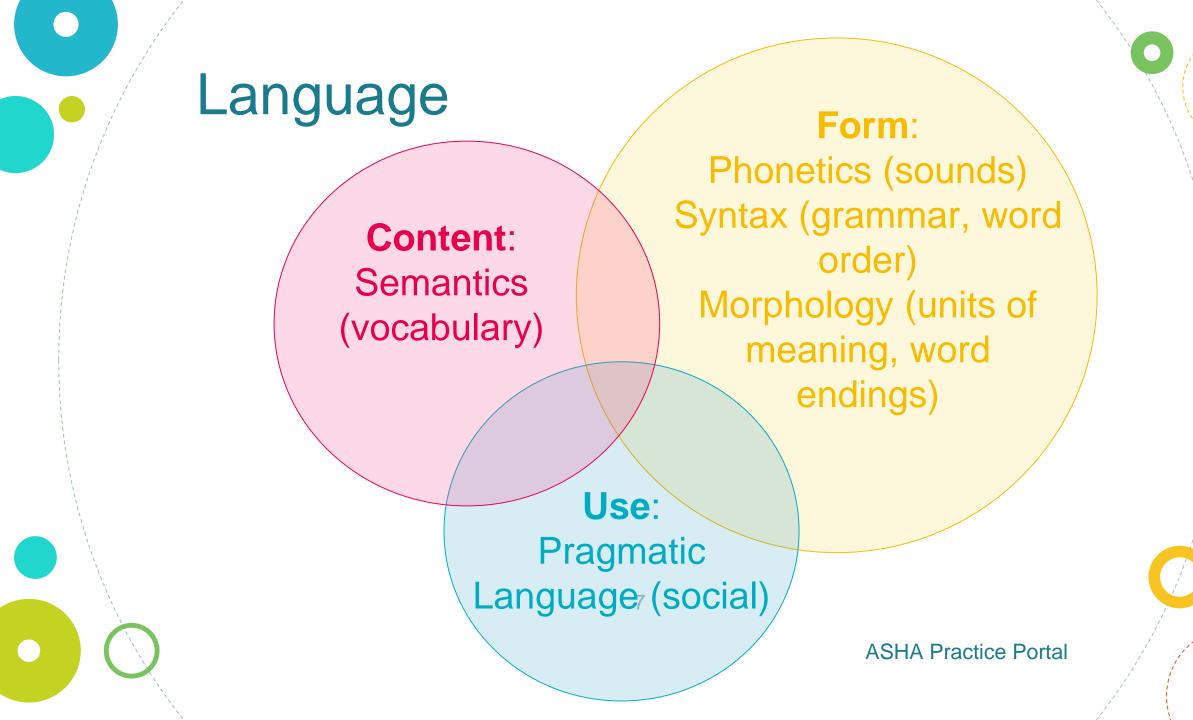


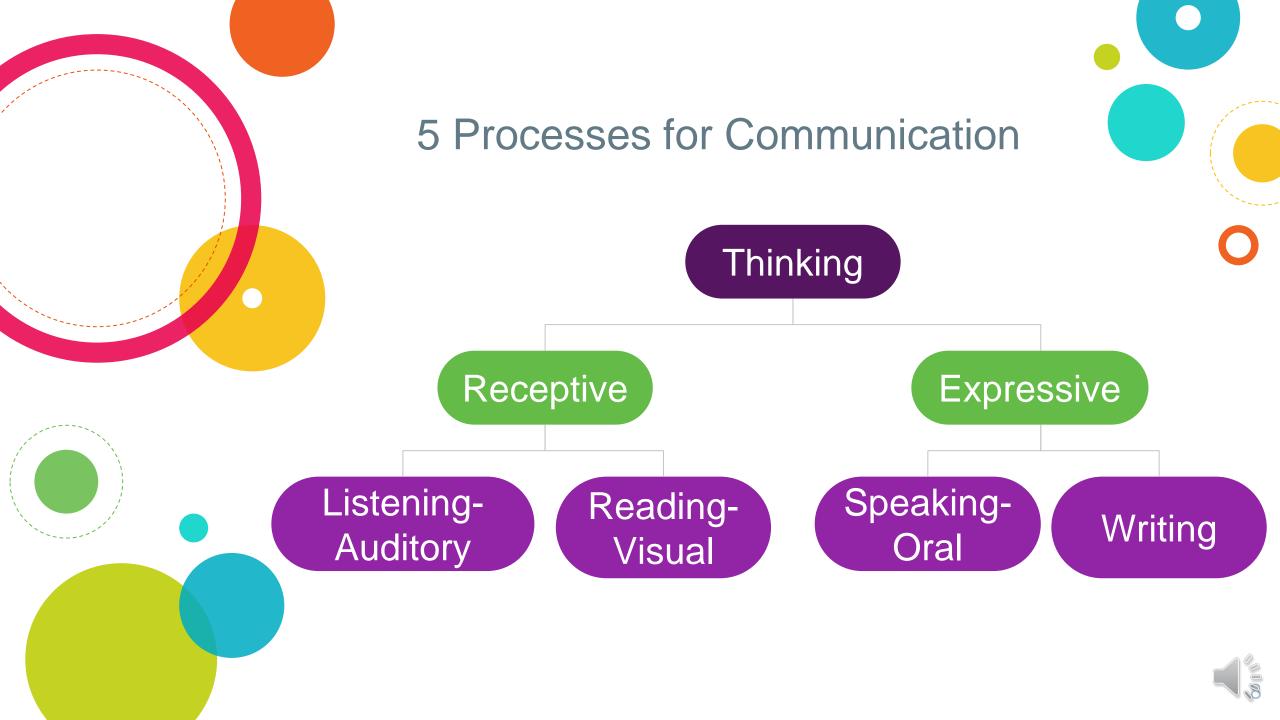


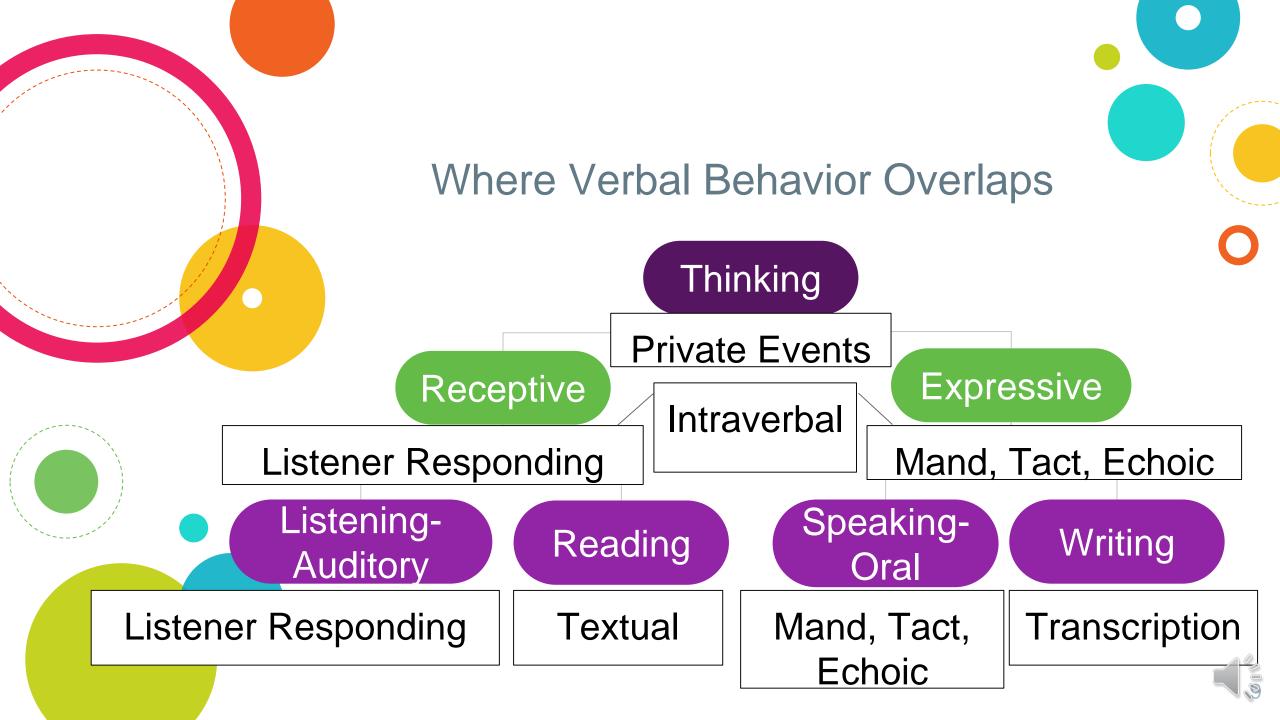
Definition of Communication:

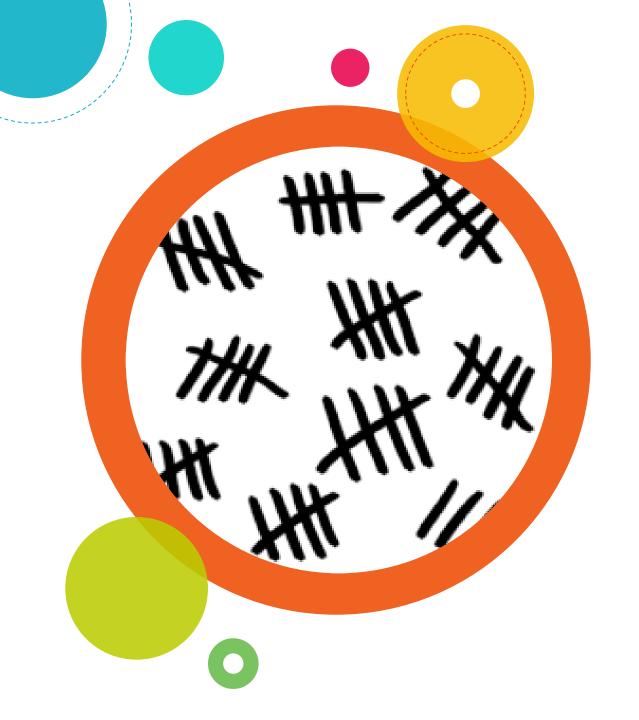
a process by which information is **exchanged** between individuals through a **common system** of symbols, signs, or behavior









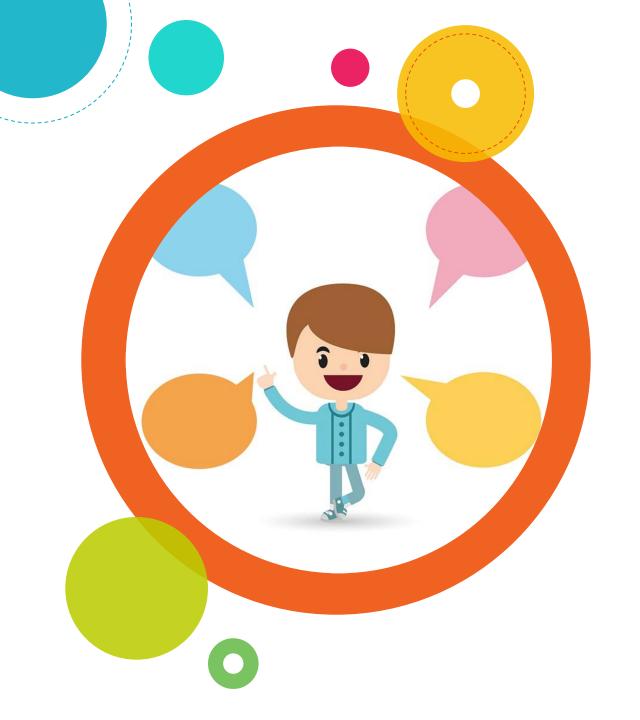


Definition of Behavior:

The activity of living organism's; human behavior includes everything that people do.

Cooper, J., Heron, T. & Heward, W. (2007). Applied Behavior Analysis: Second Edition. Upper Saddle River, New Jersey: Pearson Education, Inc.





Definition of Verbal Behavior

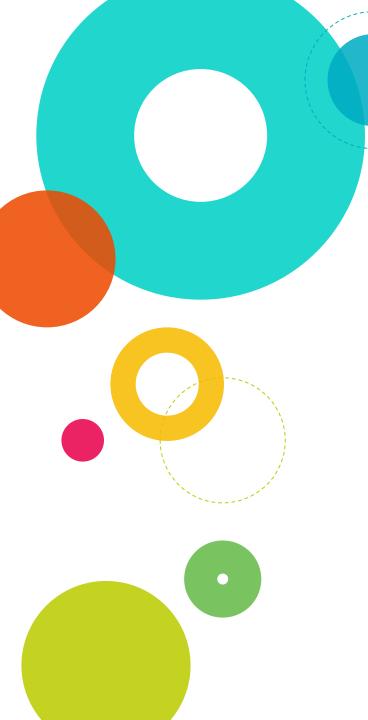
Behavior whose reinforcement is mediated by a listener; includes both vocal-verbal behavior and nonvocal-verbal behavior.

Cooper, J., Heron, T. & Heward, W. (2007). Applied Behavior Analysis: Second Edition. Upper Saddle River, New Jersey: Pearson Education, Inc.



Basic Verbal Operants

	Mand	Asking for reinforcers that you want. Saying shoe because you want a shoe
	Tact	Naming or identifying objects, actions, events, etc. Saying <i>shoe</i> because you see a shoe
	Echoic	Repeating what is heard. Saying <i>shoe</i> after someone else says <i>shoe</i>
	Intraverbal	Answering questions or having conversations in which your words are controlled by other words. Saying shoe when someone else says, What do you wear on your feet?
•	Textual	Reading written words. Saying shoe because you see the written word shoe.
	Transcription	Writing and spelling words spoken to you. Writing shoe because you hear shoe spoken.

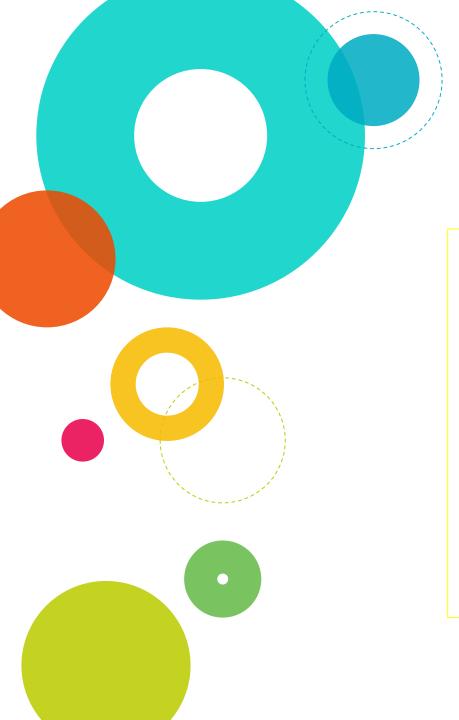


Question 1: Connection between communication and behavior

True/False:

If you can see it and you can measure it, it's considered a behavior.





Question 1:

Connection between communication and behavior

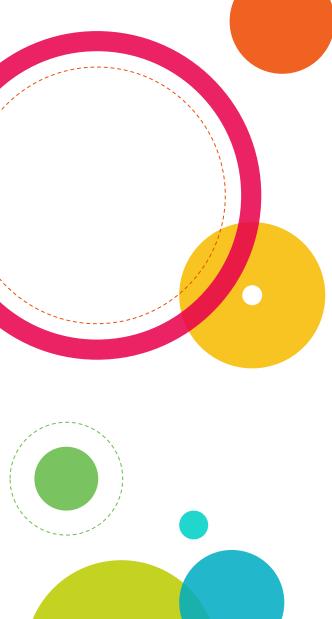


If you can see it and you can measure it, it's considered a behavior.

All forms of communication are also forms of behavior.







Semantics (Vocabulary):

SLP	VB-MAPP
Request	Mand
Label	Tact
Action, Sound, Word Imitation	Echoic, Motor Imitation
Cloze Phrases, WH questions	Intraverbal
Receptive vocabulary	Listener responding
Pragmatics	Social & independent play





Case Study: Carlos

- Culturally & Linguistically Diverse Home
- **Brief Part C Services**
- Educational Identification of ASD
- Started in school 36m
- Currently in Kindergarten
- Started school with less than 20 spoken words, now strongly verbal communicator

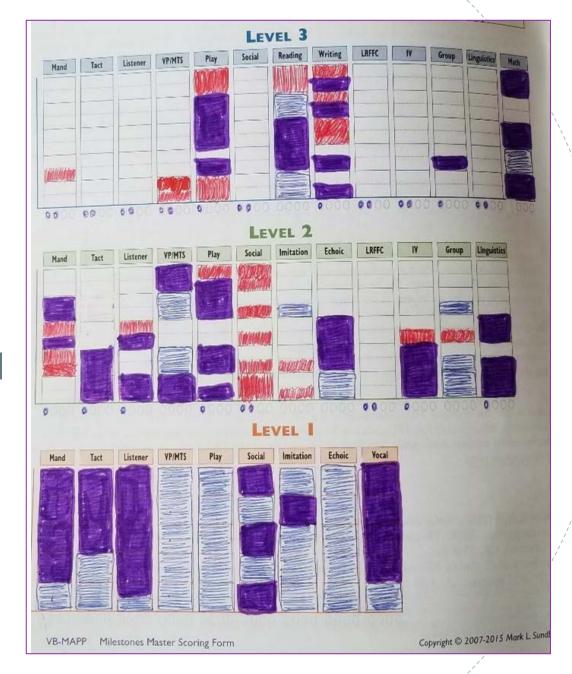




VB-MAPP Milestones

Blue 5m of school

- Purple 12m of school
 Red 24 m of
 - Red 24 m of school





Behavior Instructional Impaired Impaired Impaired **Problems** Control Imitation Echoic 1 2 3 4 1 2 3 4 1 2 3 4 Impaired Impaired Impaired Impaired VP-MTS Listener Intraverbal Social Skills Dependent Scrolling Carlos 00 1 2 3 4 1 2 3 4 Response Requirement Reinforcer Weak Failure to Impaired Impaired Conditional Dependent Weakens MO Generalize Motivators Discrimination Scanning **VB-MAPP Barriers** 1 2 3 4 1 2 3 4 Failure to Sensory Obsessive-Compulsive Hyperactive Impaired Self-Defensiveness Make Eye Contact Behavior Behavior Articulation Stimulation 1 2 3 4 1 2 3 4 1 2 3 4 VB-MAPP Barriers Scoring Form







Where we started in the classroom:

- Targeted receptive
 - prompting
- Used visuals to move to multi word utterances
- Held high expectations
 - Had high reading and math skills, used as reinforcement for lower level milestones

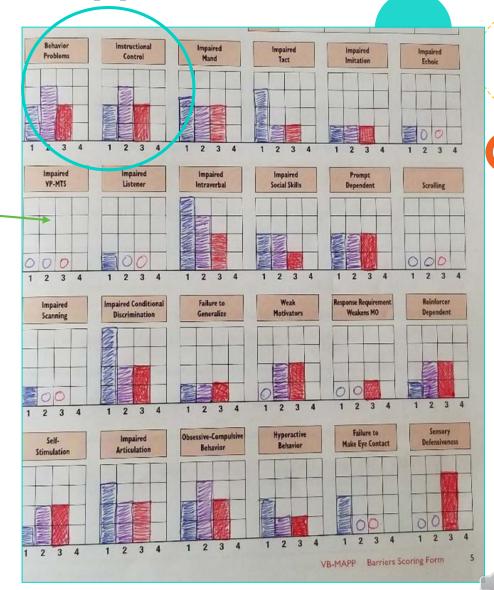






Environmental Support

- Routine
 - Same expectations
- Visuals
 - Schedule
 - Provide response options
 - Timer
- Room Lay out
 - Defined spaces with purpose
- Reduced rigidity by:
 - Prompting through alternatives*
 - Fading prompting across people, time and space**





Case Study: Johnny

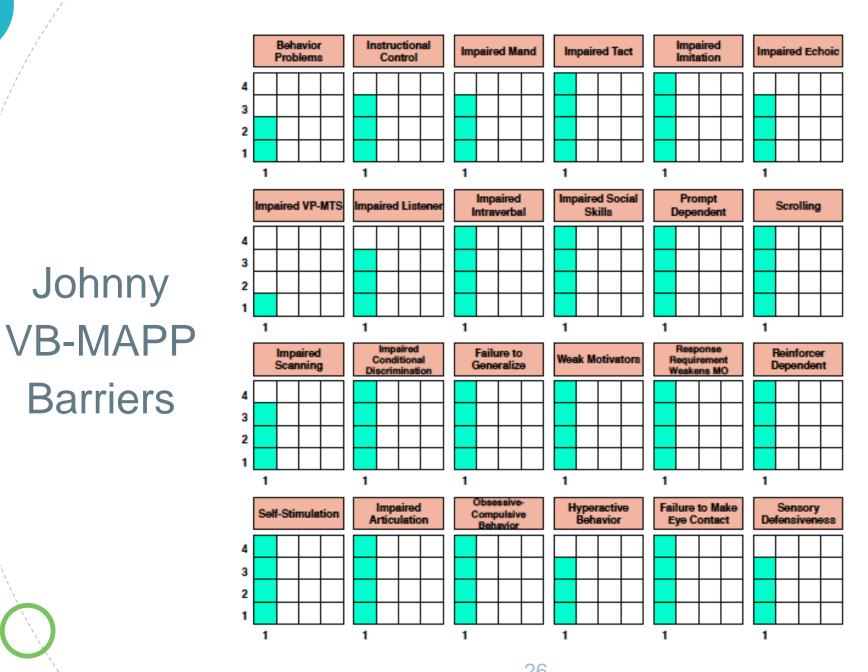
- **Educational Identification: ASD**
- Received Part C Services
- Transitioned to Part B Services @36m
- 2nd Grade
- Communicates using AAC



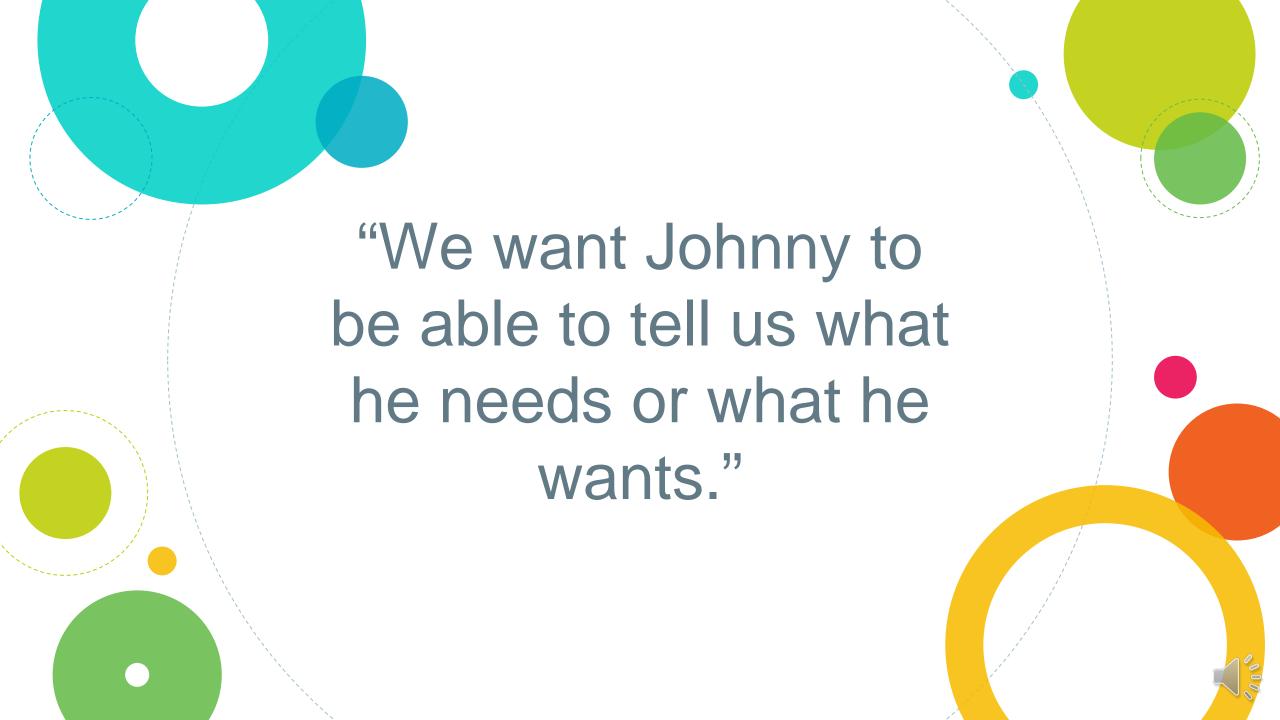
Johnny VB-MAPP Milestones

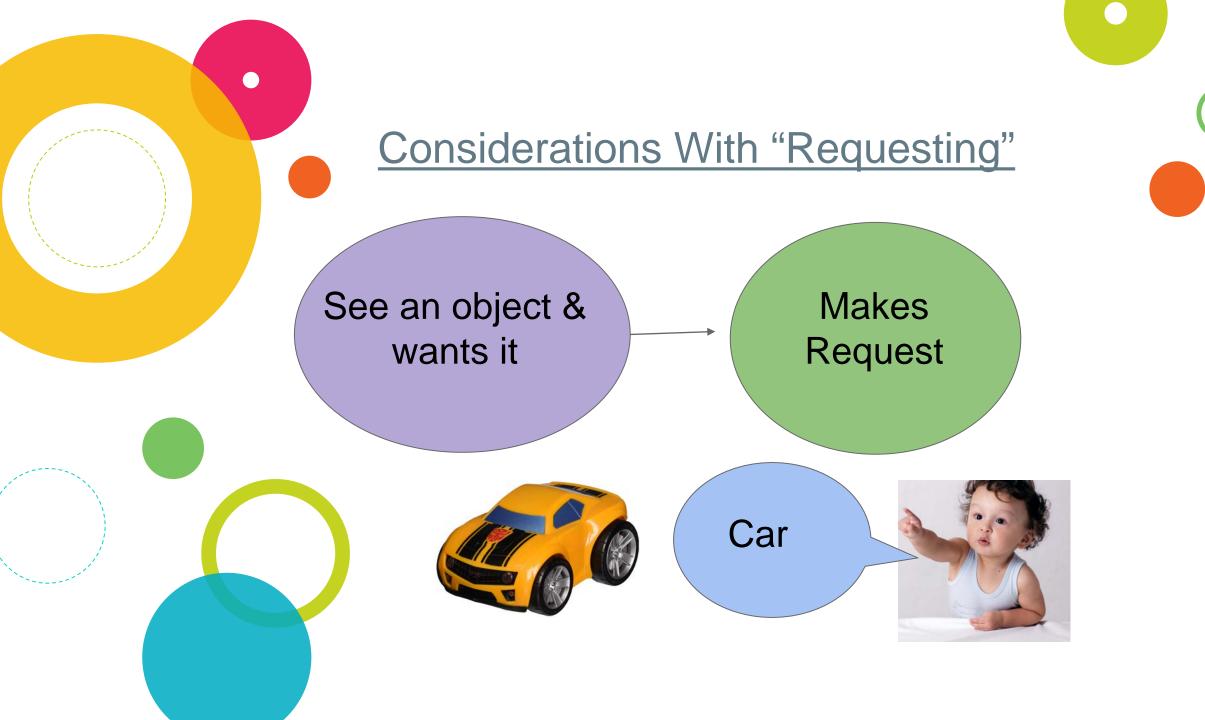




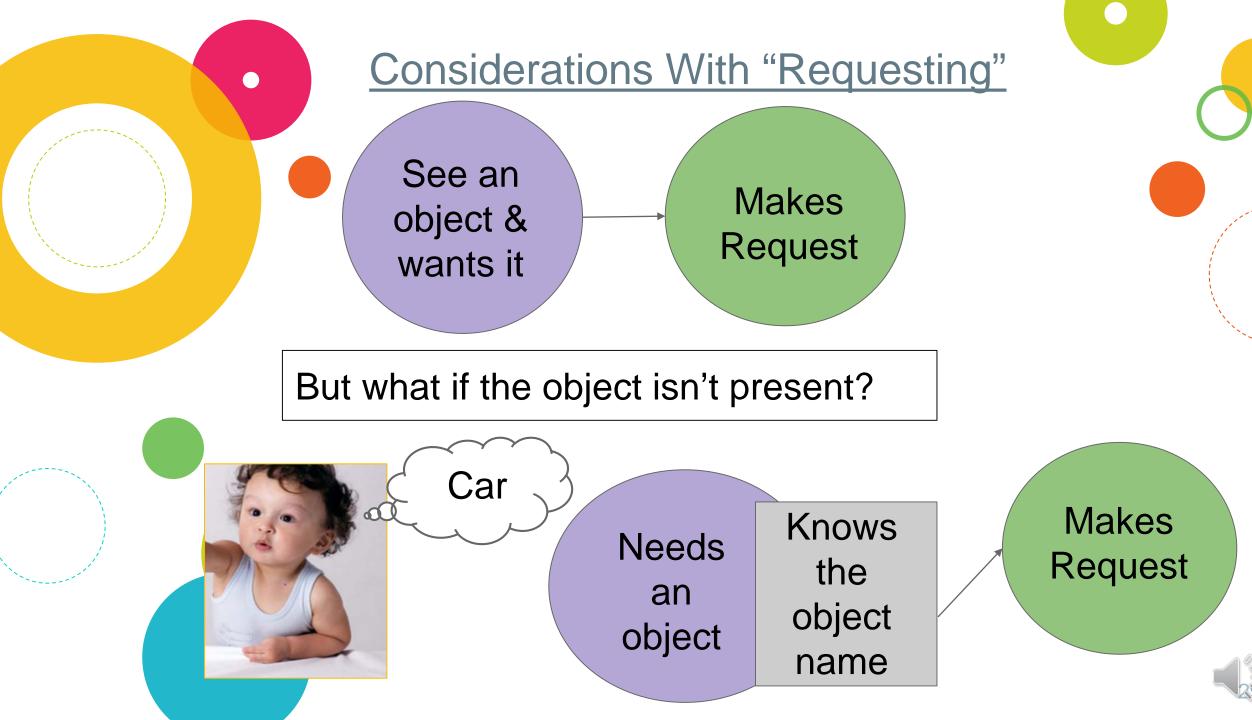


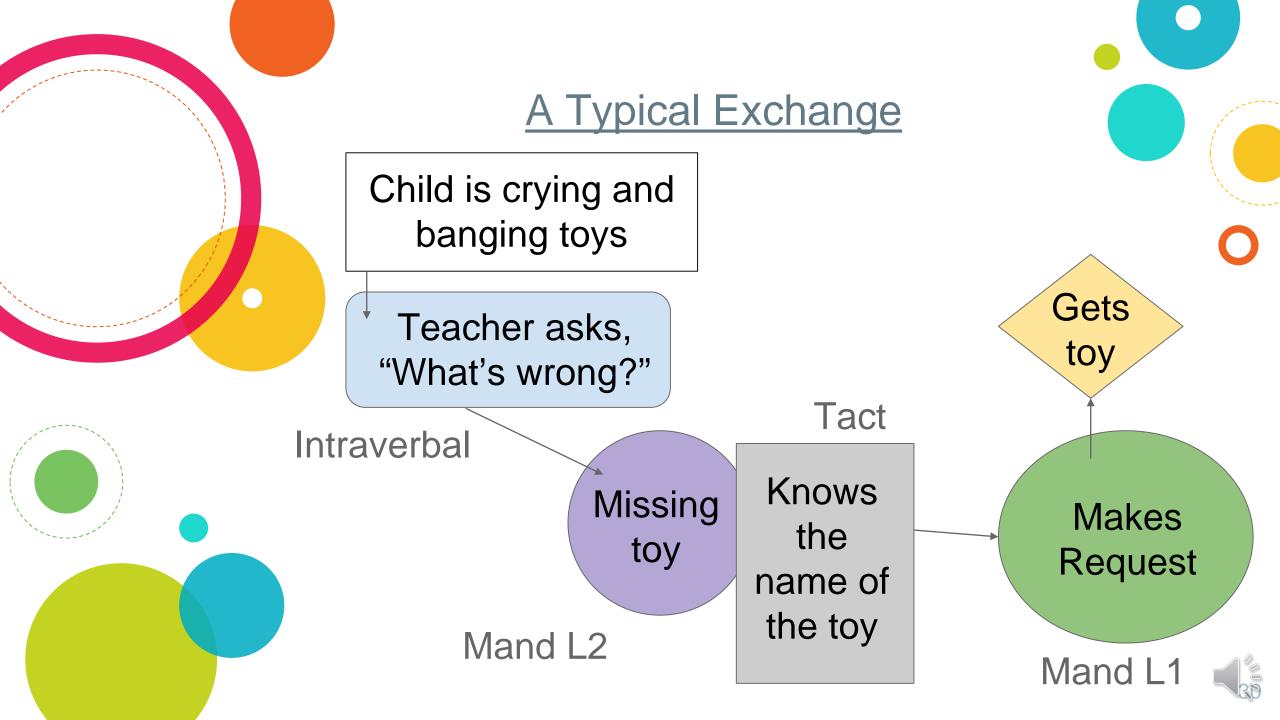


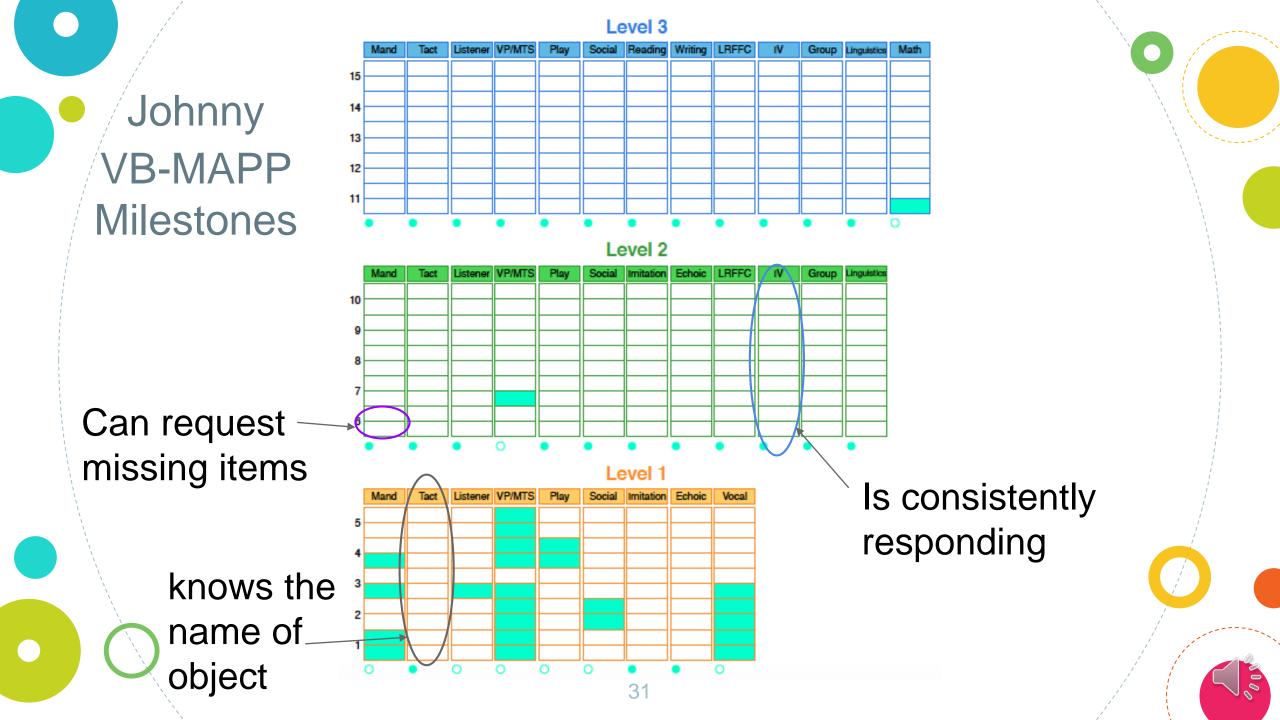


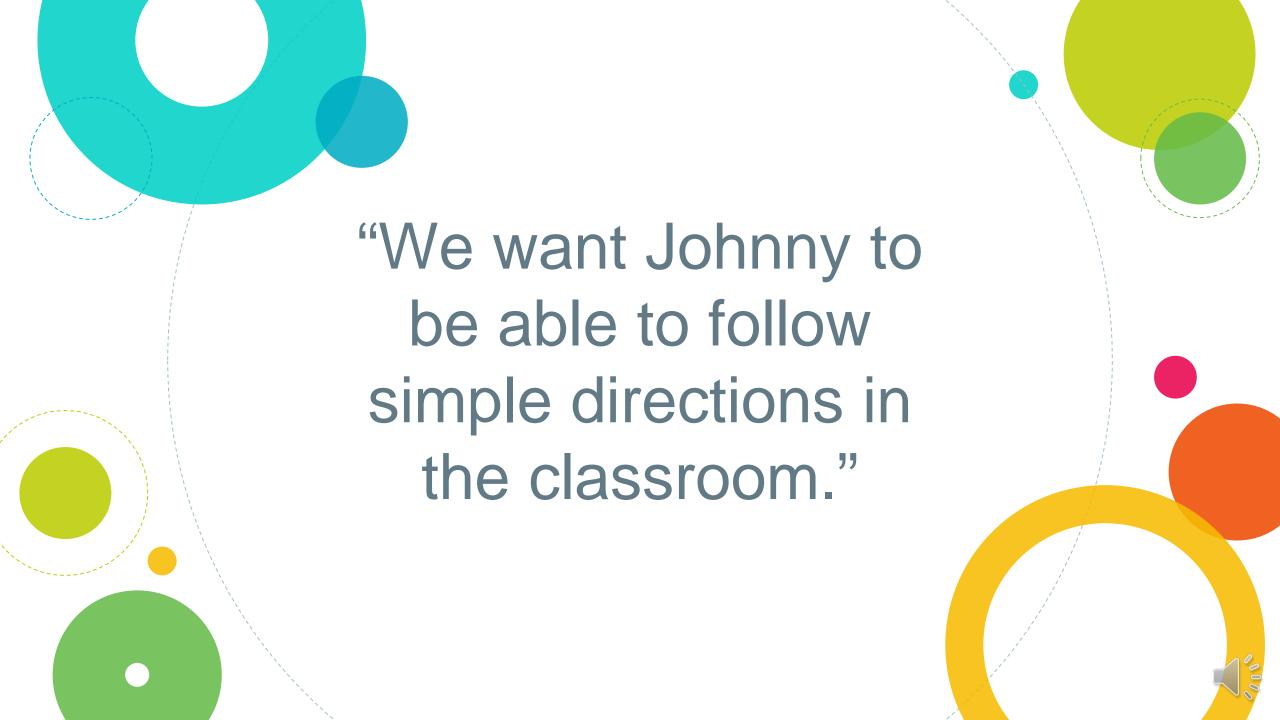


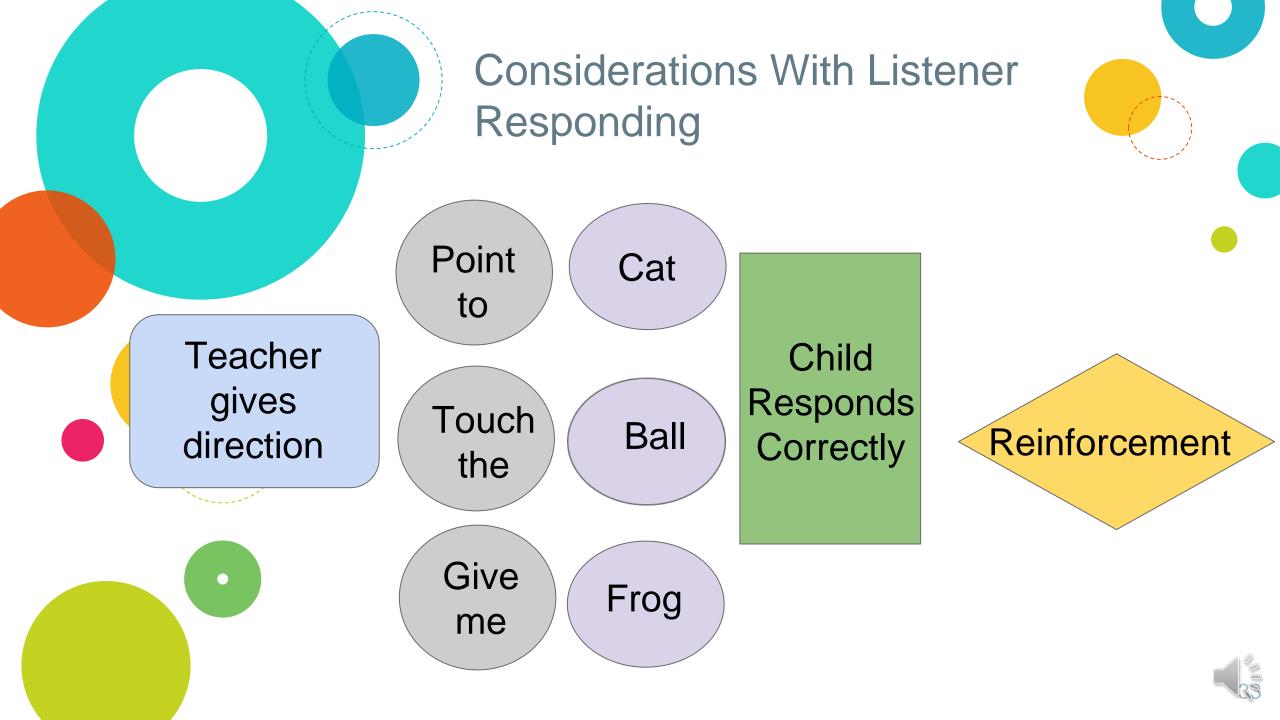


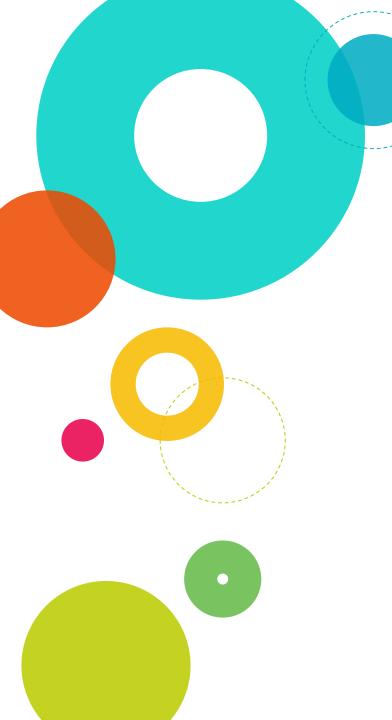












Summary & Connections

- Overlaps occur across both disciplines in "what" we teach
 - Differences arise in "how" we approach the learning
- Communication and behavior are often synonymous





Question 2:

Reflect on your personal practice. In what ways do you overlap with other professionals on "what" you teach but differ in "how" you approach the subject.





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Example: Use of AAC

- -SLP: language development and use for communicating
- -OT: physical access, self-help vocabulary
- -Special Educator: accessing academic targets
- -BCBA: rate of reinforcement





SLPs & BCBAs

Topics and Areas we share

Points of Conflict

Resolution of Conflicts





Topics and Areas SLPs and BCBAs share:

- Communication
- Similar Language and social goals
- Objective Data for measuring growth
- Cueing levels and hierarchy (prompt) for shaping behavior
- Caregiver Training

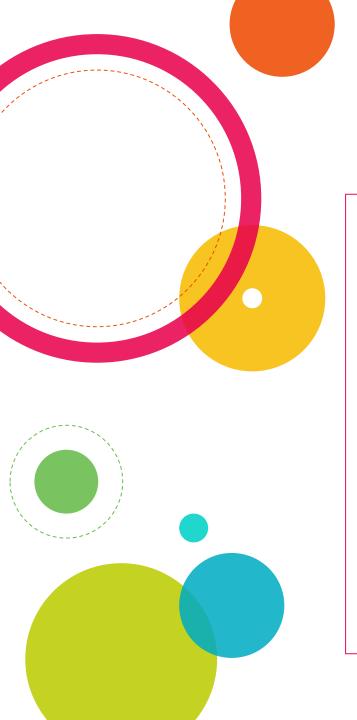


Points of Conflict between BA & SLPs

Overall lack of understanding & wholehearted belief in misconceptions

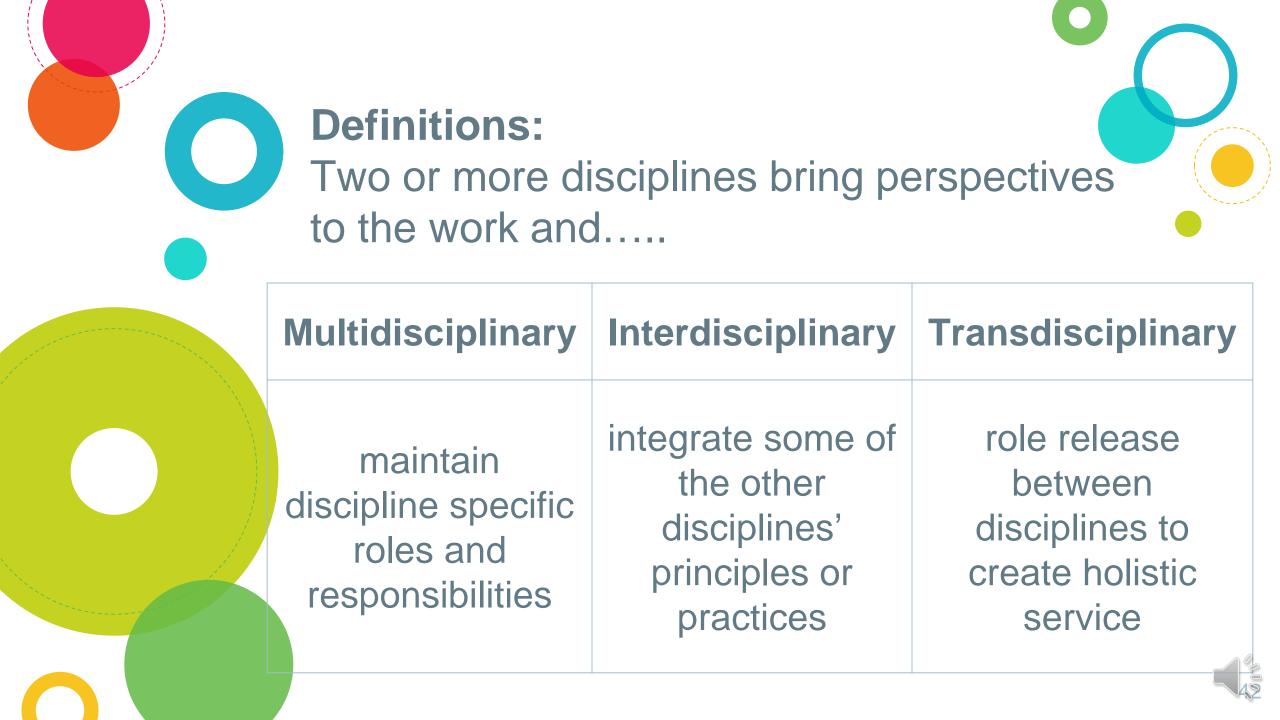
- Theoretical issues
- Interpretation of Evidence Based Practice
- Naturalness of Strategy implementation
- Scope of practice
- Differing priorities
- Naturalness of strategy implementation





Resolution to conflicts between BAs & SLPs

- Open communication- share perspectives in honest and respectful way
- Listening to understand one another's perspectives
- Compromise
- Child Focused- work together to bring perspectives to support a particular child's goals
- Collaboration
- Modeling



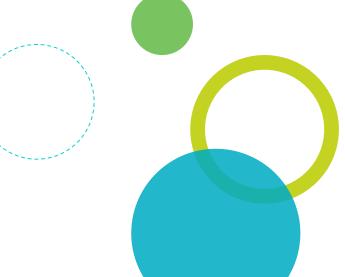


Characteristics of a transdisciplinary team

Communication

Child Focused

Time



Trust

Healthy Conflict

Humility





Question 3:

Reflect on your team practice.

What is one Characteristic of a Transdisciplinary Team that is a strength and what characteristic do you want to build?





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What is one Characteristic of a
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and what characteristic do you want to
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Example:

-Strength: Time

-Build: Healthy conflict



Success...



...for a child with ASD requires a transdisciplinary team that can include: caregivers, friends, educators, OTs, PTs, Mental Health Providers, SLPs & BAs.



ASHA Practice Portal: https://www.asha.org/Practice-Portal/Clinical-Topics/Spoken-Language-In--Brief/

Barbera, M. (2009). *Getting started with the verbal behavior approach*. https://www.marybarbera.com/wp-content/uploads/2017/08/gettingstarted-1.pdf

Cooper, J., Heron, T. & Heward, W. (2007). *Applied Behavior Analysis: Second Edition*. Upper Saddle River, New Jersey: Pearson Education, Inc.

Merriam Webster: https://www.merriam-webster.com/dictionary/communication

Sundberg, M., & Michael, J. (2001). The benefits of Skinner's analysis of verbal behavior for children with autism. *Behavior Modification*, 25 (5), 698-724.



THANK YOU!

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