Using Intensive Teaching Card Sort to Increase Verbal Behavior Milestones - A District Case Study

Shannon Follis M.S. Ed. Jessica Hodges M.S. Ed.

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Objectives

- Participants will get an overview of one district's path to using intensive Teaching (IT) Card Sort to increase verbal behaviors
- Teaching (IT) Card Sort to increase verbal behaviors Participants will gain knowledge of one district's implementation and growth of implementation IT Card Sort across the district from early childhood through the transition program
- Participants will gain knowledge on the use and implementation of the Card Sort System to increase student Verbal Behaviors including: the ABC-R relationship to increase Verbal Behaviors, system setup, system sessions and skill maintenance
- Participants will gain knowledge on how the Verbal Behaviors and Milestones Placement Program (VBMAPP) results can be used for student program planning
 Participants will gain knowledge of real student data to reflect the impact
- Participants will gain knowledge of real student data to reflect the impact of IT Card Sort on student VBMAPP scores

Outline

- 1. Introduction
- 2. Our district's path to Intensive Teaching Card Sort
- 3. Brief overview of Verbal Behavior Operants
- 4. Brief overview of Intensive Teaching Card Sort
- 5. Share of case studies
- 6. Sharing of resources and additional information





About Us

Shannon Follis

- → 9th year teaching → Resource, self contained, elementary, high school, transition, case managed outside placements
- → Primarily students with Autism and other developmental disabilities, Emotional Disturbance, Language Impairment Disturbance, Language impair impair impair impair → Educational background • B.S. in Special Education -Loyola Chicago • M.S. in Special Education: Autism from KU • Ed.S. in School Administration, ULM - CPP
 - - Administration UCM CPPP
- in progress → Teaching using IT Card Sort for 5 years

Jessica Hodges

- → 6th year teaching High School level → Self-Contained: life skills and Autism
- → Primarily work with student with
 - Autism/behavior concerns
- **→** Education- Avila University
 - M.S. in Special Education- University of Kansas
 - M.S in Curriculum and Instruction (Applied Behavior Analysis)- Arizona State University
- → Teaching with IT card Sort-4 year
 ◆ Summer 2018- Implementer in clinic
 - utilizing card sort system

About Our District - Center 58

- → Small urban school district in South Kansas City, MO
- → Total 2017 enrollment 2,630 Pre K 12
- → 73.9% free and reduced lunch
- → 13.5% school age K-12 IEP
- → Two self contained programs CASTLE and FUTURES
 - Communication, Academic achievement, Social Skills/Interaction, Transition Planning, Learning Independence, Education primarily students with Autism and other developmental disabilities whose educational needs require more intensive and specialized programming
 FUTURES - primarily for students with intellectual disabilities and other disabilities which significantly impact their adaptive and independent functioning



SCHOOL

Why Are We Here?

- ightarrow IT Card Sort has been a tool we have found to be very beneficial in our work with our students.
- ightarrow As teachers, it has helped us address deficits we were doing our best in addressing before but always felt like we could do better.
- → We have seen great growth in our students.
- → It is a program we have been able implement from ECC through high school. Big impact, one program. Continuity across grades and skills.
- → As teachers, it is nice to have a tool/program/curriculum that works and helps us meet our student's needs.
- ightarrow We wanted to share from the classroom perspective on something that we think works.

Our Path Leading to Intensive Teaching (IT)

→ Had been using the Assessment of Basic Language and Learning Skills

- $\left(\text{ABLLS} \right)$ alternative district assessment and classroom assessment
- Struggled to complete in timely manner
 Still reference to it for task analyses or further break down of skills
 Didn't have good follow up for identified skills gaps

Didn't have good follow up for identified skills gaps - each teacher

- → Lead Autism Special Education Teacher found out about Verbal Behavior and
 - Milestones Placement Program (VBMAPP) 2 staff trained initially 2010-2011
 Further staff trained initially
 - Further staff trained informally by trained staff
 VBMAPP replaced ABLLS as alternative district wide assessment and
- classroom assessment doing their best but looking for additional resources - no continuity MARK L. SUNDBERG, Ph.D., BCBA

We had this. Now what? How do we use this to help the student?

Our Path Leading to Intensive Teaching (IT) Cont.

→ District Autism and Behavior Programming Coordinator found training on Intensive Teaching (IT) Card Sort as a way to target the identified skill gaps in

- the VBMAPP and set up training for staff
- IT ABA based Errorless Teaching
 Provided staff with resources to understand how behavior is as a communication tool
 6 operants: echoics, mands, tacts, imitation, listener response, intraverbals
- Goal: To build up the milestones of verbal behavior to increase student ability to engage in academic settings
- Trainings continued over years to increase staff and replace trained staff who left
 District invested in hiring Stacy Martin, BCBA, as private consultant
 Yearly orders for materials

- Monthly meetings to check in and problem solve *We were very lucky to have very supportive special education administration.*

Timeline of Implementation

- → 2014-2015 First Training

 - Ordering of and organization of IT materials
 Beginning of implementation in district CASTLE program
- → 2015-2016 Growing the Impact and 2 Additional Bootcamps
 - Materials ordered and distributes
 Additional training of teachers and paraprofessionals
- → 2016-2017 Growing the Impact and Additional Bootcamp
- MAND training
- → 2017-2018
 - Maintaining competency
 Support through Summit Behavioral Services
- → 2018-2019
- ◆ Projected to do the Establishing Early Skills Training
 → 2019-2020
- Projected to do the Advanced Training

Overall Buy In

- → Total Staff Trained 2017-2018 School Year

 - Lotal Staff I rained 2017-2018 Scho Early Childhood Teachers: 2 Elementary School Teachers: 5 Middle School Teachers: 2 High School Teachers: 2 Paraprofessionals: 15 Speech and Language Pathologist: 3
- → Trainings Provided
- A daming Trovaccu
 A daming Trovaccu
 Add Sort Bootcamp
 MAND
 Ongoing Consultation Hours \$95 17-18 27 hours
 Investment

 - Over 30k in trainings, supplies and support hours

What is IT Card Sort?



Quick Overview of Verbal Behavior Operants















Intraverbal Prompt - verbal input only - think fill in the blank Examples: You say "1,2,..." then student says "3" Pass the Big ABA Exam Study Manual 8th Edition



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Quick Overview of Intensive Teaching -Card Sort

What do you need?

- Scored VBMAPP
 Supplements
 If book broken into sections by operant with supplements, tracking sheets and graphs
 Bins to store cards
 Color ax5s
 Picture cards
 Color dots

Set up

- Stack labeled for initials an knowns ٠
- Stack labeled for initials an knowns
 Cards divided and shuffled into knowns and future targets
 Target 3xs and target picture cards
 Student VR
 Reinforcers
 Space to work at
 Objects Bin



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Schedule of Daily Implementation

- All students cold probed as early as possible in schedule
- Depending on student, average of 4 IT Card Sort Sessions per day
 Cold probed everyday before any teaching sessions
 Teaching sessions are interspersed throughout the day
 Length depends on the student (VR rate)
 Built in generalization/maintenance and fluency of skills
- MANY adaptations and specializations due to environment and student

 - VIANY adaptations and Specializations due to en o Some students use signed exact english for tacts Use of AAC for intraverbals Incorporation of academics and life skills Individual sessions, diad sessions Incorporate service providers into sessions (SLP/OT/PT) Use peer models to implement skills

Nore Under	Cold Probe	Session 1	Session 2	Secon 3	T
in in the second	SF				
55	SF				
	* 5F				
	45 34				
	, -L				



Bonuses

- Staff calling dibs on getting to do sessions
- Kids very willing to go to "work"
- Kids pulling and setting up their own sessions
- Greater appreciation and understanding of staff of student skills
- Greater understanding for staff of student verbal behaviors and impact in all areas
- Especially in general education and social skills
- Built in reinforcement for staff seeing student growth
- Provides good quality and easily updated present level information and IEP goal development



Impact on Our Students

Looking at VBMAPP Scores

Milestones to go upBarriers to go down





































Additional Info and Variations

Quirks and Bumps and Growth

- We didn't follow the schedule as we shown

- Growing into higher level skills: tact actions wit higher level interverbals Transition of materials across schools Figuring out incorporation of signed exact eng Getting fidely to emroless tacking Highlighters v. color panols Remembering VR and checking for motivation Growth into use for social skills and manding



IEPs and Card Sort

Yes, yes we do...

- It is not uniform but we do include VBMAPP and Card Sort information into student IEPs
 - VBMAPP scores in present levels
 - IEP services for goals written to address IT operants
 IEP goals
 - Progress reports
 Eval reports

Examples in Present Level

Verbal Behaviors: As of October 2018 scoring, student is level 3 (30-48 months) on the Verbal Behavior and Milestones Placement Program (VBMAPP). Student's overall milestones have increased from 149.5 to 163 points since the previous IEP.

Areas of strength are mand, play, social, reading, writing, group and math skills.

Areas for growth include tact, listener response, visual perception match to sample, listener response by feature/function/class, intraverbals and linguistics.

-Social Interaction: He is able to say HI when prompted but does not initiate on his own. He is able to use eye contact to MAND (request) prefered items but does not use eye contact when engaged with others. He is able to orient to hearing his own name 5 times during a 1 hour imed observation. He is able to look at, or point to a reinforcer when presented in an array of 2 for two items. He is able to manylute and explore objects for 1 minutes and shows variation in play by independently interaction with 5 different times during a timed 30 minute observation. He is uable to during a timed 30 minute observation. He is uable to two its shows of settings, and examples he is umable to emit 5 MANDS in 1 hour even with items present. He is able to TACT (label) 59 pictures when presented flash card style.

Examples of Services

Examples of Goals

By the annual IEP review, Student will increase his verbal behavior skills by acquiring at least 25 tacts noun-verb or verb-noun tacts (label) with 100% for each target on 3 consecutive data sessions, as measured by teacher data collection.

By the annual IEP review, Student will increase his verbal behaviors by gaining 4 new listener response actions per goal quarter for a total of fo new listener response actions, having 100% accuracy for 3 consecutive data days per target as measured by teacher data. By the annual IEP review, when instructed to perform a motor action (e.g. stand up, wave, etc) STUDENT will increase his functional life skills/verbal behavior skills by immediately following the instruction by correctly executing the action for at least 36 total actions over 3 consecutive cold probes per target as measured by teacher data collection.









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The Stages of Card Sort and IT

- 1. Woohoo this is amazing, let's do it right now!
- 2. My brain is melting from this intensive 3 day training...
- Materials ✓ VBMAPP done ✓ uhh... yea...
- 4. Ok... I'm getting this... 2 operants in.... 3 operants in...
- 5. Woah look at this growth!
- Can I card sort my children/husband into laundry and changing the toilet paper roll?
- 7. Where did all the (insert color) card go?!?! Send mass email to whole school...
- 8. Level 3 intraverbals... cue the song "A Whole New World" then panic
- 9. BONUS STAGE: Intriguing, a student has developed a case of the IT Pox

Contact Information

Shannon Follis

sfollis@center.k12.mo.us

Jessica Hodges

jhodges@center.k12.mo.us

Questions?

References

MARK L. SUNDBERG, Ph.D., BCBA MarkSundberg.com. (n.d.). Retrieved from http://www.marksundberg.com/vb-mapp.htm Pass the Big ABA Exam 8th Edition Study Manual

Image Sources

Images

- → https://www.wpspublish.com/store/p/2638/ablls-r-assessment-of-basiclanguage-and-learning-skills-revised
- → <u>http://www.marksundberg.com/vb-mapp.htm</u>

Resources from Pattan

Beginning Guide to the Intensive Teaching Process of the Verbal Operants

VBMAPP Scoring Supplement

https://slpemad.files.wordpress.com/2015/09/vbaaaaaa.pdf



Videos from Pattan

Intensive Teaching Guide

Teaching a Verbal Mand

Tact of Actions

https://docs.google.com/document/d/1ICByMDc_1Vg3sDIrkNhcfcFLSjvBlhXspoPAoyu8m0/edit?usp=sharing

http://www.pattan.net/Videos/Browse/Single/?code_name=tacts_of_action_-_part_2



	Target	Date introduced	Date Mastered
Pencil:	Eraser		
	Point		
Car:	Wheels		
	Wipers		
	Headlights		
	Door		
	Seatbelt		
	Seat		
	Window		
	Trunk		
	Bumper		
	Steering wheel		
Bus:	Yellow		
	Wheels		
	Door		
	Windows		
	Stop sign		
	Headlights		
	Wipers		
	Seat		
	Steps		
	Steering wheel		
Shirt:	Sleeves		
Sint.	Collar		
	Buttons		
Dontes	Tag		
Pants:	Legs		
	Zipper		
	Snap Derthere		
	Button		
	Pockets		
<u> </u>	Tag		
Dog:	Paws		
	Fur		
	Tail		
	Whiskers		
Cat:	Paws		
	Fur		
	Tail		
	Whiskers		

	Target	Date introduced	Date Mastered
Scissors:	Handle		
	Blades		
Book:	Spine		
	Pages		
	Words		
	Cover		
	Title		
Chair:	Seat		
	Back		
	Legs		
	Arms		
Table:	Legs		
	Тор		
Jacket:	Sleeves		
	Zipper		
	Pockets		
	Hood		
	Tag		
Backpack:	Straps		
	Pockets		
	Zipper		
Rabbit	Tail		
	Fur		
	Paws		
	Whiskers		
Computer:	Mouse		
computer.	Monitor		
	Keyboard		
TV:	Screen		
1	Buttons		
	Remote		
DVD Player	Screen		
	Buttons		
	Remote		
House:	Door		
110030.	Windows		
	Roof		
Manland	Chimney Tin		
Marker:	Tip		
	Cap		

Skill Tracking Sheet

Target	Date introduced	Date Mastered
Bike: Wheels		
Handlebars		
Seat		
Pedals		
Spindles		
Tree: Leaves		
Branches		
Trunk		
Roots		
Kite: String		
Tail		
Flower: Stem		
Petals		
Leaves		
Roots		
Teapot: Spout		
Handle		
Hat: Brim		
Stove Top: Burners		
Dials		
Oven: Timer		
Door		
Rack		
Temperature Setting		
Washing Machine: Water setting		
Door		
Agitator		
Cycle Setting		
Fabric Type		
Fabric Softener Holder		
Bleach Holder		
Start		
Dryer: Door		
Time Setting		
Lint Trap		
Start button		

Skill Tracking Sheet

Target	Date introduced	Date Mastered
Microwave: Door		
Turn plate		
Turn plate wheel		
Start button		
Cancel button		
Time Cook		
Timer		
Bathroom: Sink		
Water Handles		
Mirror		
Toilet		
Sink: Spout		
Bowl		
Handle (s)		
Toilet: Flusher		
Lid		
Tank		
Toilet Paper		
Bed: Comforter/Cover		
Flat sheet		
Fitted Sheet		
Bed frame		
Pillow (s)		
Mattress		
Couch: Back cushion		
Seat cushion (s)		
Legs		
Dresser: Drawer(s)		
Drawer pull/handle		
Kitchen: Oven/Stove		
Microwave		
Refrigerator		
Freezer		
Dishwasher		
Sink		
Cabinet (s)		
Drawer (s)		