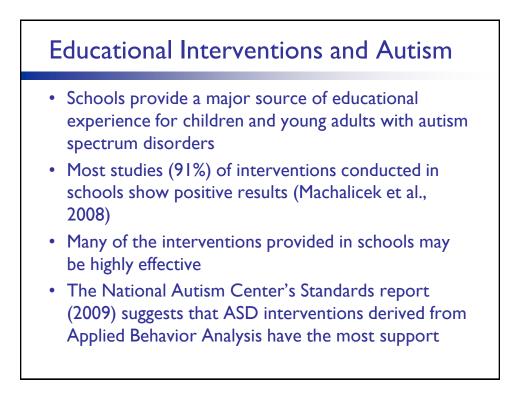


The Checklist Manifesto

- Atul Gawande (2009) reports on the simple use of procedural checklists:
 - Checklists used by nurses treating pain symptoms at John Hopkins University Hospital reduced from 41% to 3% the likelihood of a patient's enduring untreated pain
 - With use of checklists, pneumonia (as a result of medication treatment for patients on mechanical ventilation), fell from 70% to 4%. Consistently propping the patient at the right angle solved the problem.
 - Sully Sullenberger's remarkable landing (2009) in the icy Hudson was accomplished through rigid following of procedural checklist (practiced over 150 years of total experience.)



Most Interventions Provided in Schools are Not Published

- The actual average level of effectiveness of day to day school based interventions is not known
- Given that published studies require very high standards and attention to detail, the success rate of *un-researched* school interventions for ASD populations is probably much lower than that provided by Machalicek et al., 2008

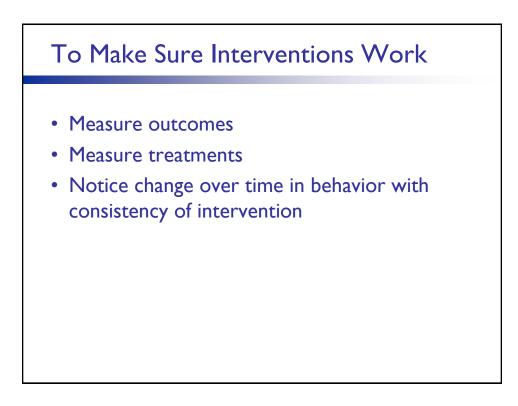
The Reason Most Interventions Fail (McIntrye, et al. 2007)

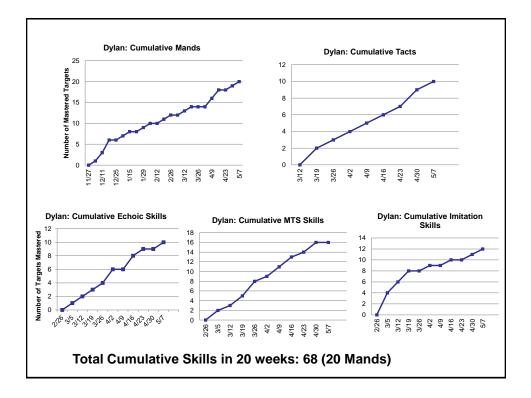
• They are not delivered consistently in the way they were designed

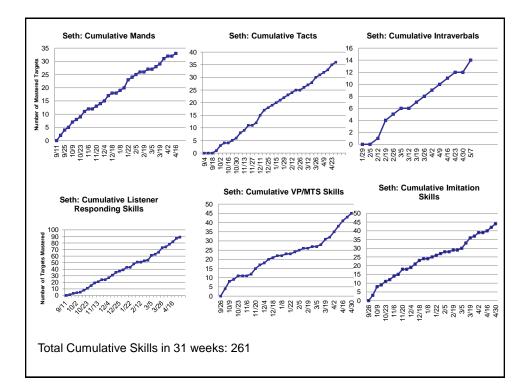
- Teachers fail to implement interventions with accuracy despite receiving high levels of initial training (e.g., <u>DiGennaro</u> et al., 2005).
- Student problem behaviors are negatively correlated with treatment accuracy, such that low levels of problem behavior are associated with high levels of treatment integrity (DiGennaro et al., 2005, 2007; Wilder, Atwell, & Wine, 2006).



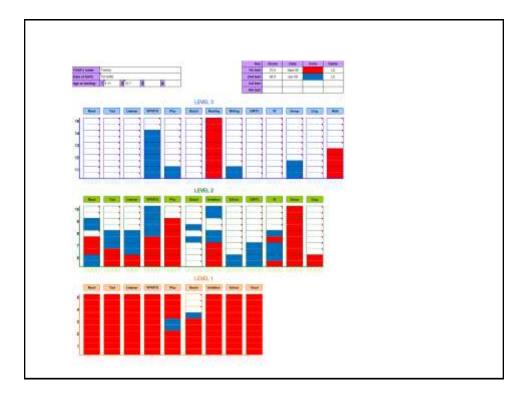
- Common problem: changes in student behavior are not measured
- Even more common problem: failure to measure the way interventions are run:
 - How often are interventions run?
 - Are the interventions designed so they can be run consistently?
 - Are they actually run as they are designed?







5



Treatment Integrity (Livanis, et al 2013)

- If treatment is not implemented with integrity practitioners cannot realistically evaluate the effects of an independent variable on a dependent variable (Kazdin 2011)
- Implementation of high rates of treatment integrity is associated with positive treatment outcomes (DiGennaro, et al 2005, 2007)
- Lack of treatment integrity may be a violation of IDEA



- Adherence (fidelity)
- Exposure
- Quality of delivery (qualitative aspects)
- Program differentiation
- Participant responsiveness



- Treatment adherence
- Agent competence
- Treatment differentiation
 - Treatment must have discernible effect from other treatments
 - Treatment drift as a related issue

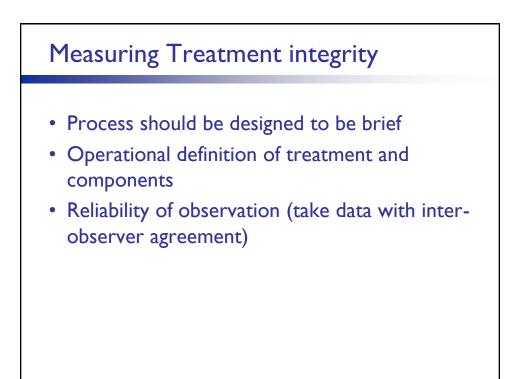
Other Aspects of Intervention Related to Treatment Integrity (Livanis, et al 2013)

- Treatment complexity
- Time necessary to implement
- Materials
- Rate of change
- Number of agents
- Treatment acceptability

Some Methods to Complete Treatment Integrity

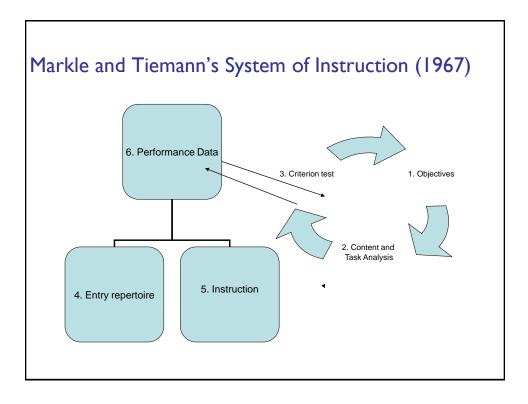
- Performance feedback
 - Direct observation
 - Video observation
- Consultee training

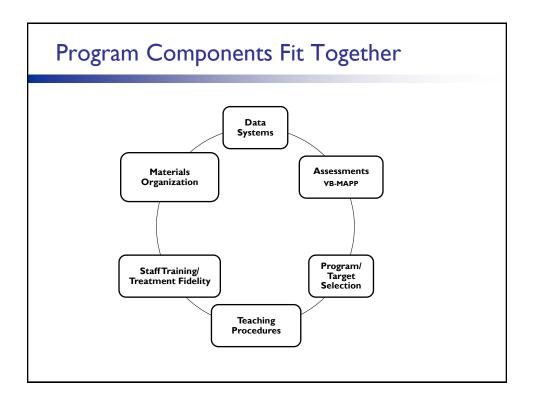
 Manualized treatments and intervention scripts
- Permanent products
- Self reporting
- Self monitoring





- Procedures and processes outlined a priori
- Procedures and processes derived form an empirical data base
- Effects of procedures graphed daily





Systematic Instruction and Autism Interventions

- Identification of meaningful goals that are socially valid (what to teach).
 - Communication skills- requesting wants and needs
 - Social Skills-initiating and responding to social bids
 - Appropriate play/leisure skills
 - Self-help, completing independent activities

Skills Needed by School Personnel to Implement Effective Practices in Autism Support Programs

- Skilled management of social and physical environments to allow effective instruction
- Assessment skills
- Ability to monitor progress through data organization and analysis
- Consistent skill in delivering instructional protocols
- Dynamic responsiveness to student performance

Levels of Treatment Integrity

- Systems
 - Site review
- Instruction
 - Scheduling
 - Check lists
 - Direct observation
 - Transcription

PaTTAN Autism Initiative Site Review Form Annotated with Scoring Criteria

Site Number/Name:	Date:	
Teacher:	Staff/student ratio:	
Reviewer:		
Consultants:		
Other staff:	Pre/Post?	

Classroom Organization	Yes	No
1. Chart for student schedules? Must correlate with observed		
pattern of instruction for 2 students at 2 observational checks.		
2. Chart for assignment of staff schedule? Must correlate with		
observed pattern of instruction for one staff at 2 observational		
checks.		
3. One or more ABA/VB cues posted?		
4. Regular team meetings?		
Classroom environment		
5. Is the classroom neat and organized?		
6. Is access to reinforcers controlled by staff		
7. Is seating appropriate for children?		
Arrangement of instructional materials and materials		
organization		
8. Are the drawers or other storage areas for instructional materials		
labeled and organized?		
9. Are materials readily accessible to instructor?		
10.Is a card sort system in place for intensive teaching?		

Data Systems Note: For any site reviews completed in fall, on all items involving data, the data system must be in place for at least 10 days prior to site review to receive credit. One exception to this guideline is when site reviews are completed in the first 5-12 days of a school year; in that circumstance, all days of school except first 3 days, need to have data in place. To receive credit for data systems in the spring site review, data systems must be in place for at least six weeks and have	
current data (within three days of the site review).	
11. Are program notebooks available?	
12. Are notebooks arranged systematically?	
13. Are language programs balanced and appropriate? (must have 2/2 below)	
a. Include at least 3 verbal operants and/or advanced language programming?	
b. Programs listed are consistent with compiled data and with VB assessment levels.	
14. Is there behavior data for all students who present significant problem behavior, which includes a definite count of a behavior targeted for reduction? (i.e.,	
frequency count of problem behavior preferred but can also include a consistently recorded ABC format.)	
15. Is there mand data related to mand acquisition? (cold probe)	
16. Is there mand data related to mand frequency?	
17. Data discriminative stimuli for instructional behavior?	
18. Are there 3 or more graphs for all of the students?	
19. Is the entire VB-MAPP Assessment, or other appropriate assessments (such as ABLLS sections A-F,) completed for all students or are other quantitative evidence based curricular measures completed?	
20. Is there data on any other instructional program or formative assessment tool (i.e. Language for Learning, sequenced handwriting curriculum, etc.)	

	Yes	No
Consultation/Training Process		
21. Is there a system of training of ABA/VB content (relevant to instruction, social skill training, and addressing problem behavior) that includes a manual, set procedures or regular meetings? Evidence of this item needs to be documented.		
22. Has the consultant (PaTTAN consultant and Internal Coach) provided guided practice in the classroom?		
23. Is teaching behavior defined in set procedures? Does consultant (PaTTAN Autism Initiative consultant and Internal Coach) focus on the teaching behavior of the staff?		
24. Concern for treatment integrity ? Does the consultant (PaTTAN and Internal coach) taken data on teaching procedures?		
	Yes	No
Parent/Family Engagement	ies	NO
25. Is there a system of training for parents, caregivers, and other community members that regularly interact with the students? Evidence of this item needs to be documented.	Tes	
25. Is there a system of training for parents, caregivers, and other community members that regularly interact with the students? Evidence of this item needs to be documented.26. Is there a system of communication with parents/caregivers? 2/2 of the following		
25. Is there a system of training for parents, caregivers, and other community members that regularly interact with the students? Evidence of this item needs to be documented.		

_		Yes	No
	clusive Practices		
27.	Are students engaged in instruction that is similar to students in the general education setting? <i>3/3 of the following criteria must be met to receive credit for this item</i> .		
a.	Are there verifiable supports (supplementary aids and services) to maintain or establish meaningful participation in the general education setting? (<i>must include evidence of collaboration for all students to receive this score</i>)		
b.	Data systems in place to monitor student participation and progress.		
c.	Are specific identifiable plans in place to increase participation in the general education setting for all students not fully included		
28.	Are the materials used with the students in general education setting similar to those used with other students (perhaps modified)? If students are not in the general education setting are they being provided with experiences with the materials that will allow them to function in the general education setting?		
29.	Do the students have access to non-disabled peers? If not in the general education setting, students are provided with the opportunities to learn and practice the skills related to social activities?		
30.	Practices promote self advocacy skills. This would be defined as control of environmental variables that promote communication goals in relation to student needs.		
31.	Instructional content is relevant to that provided in the general education setting.		

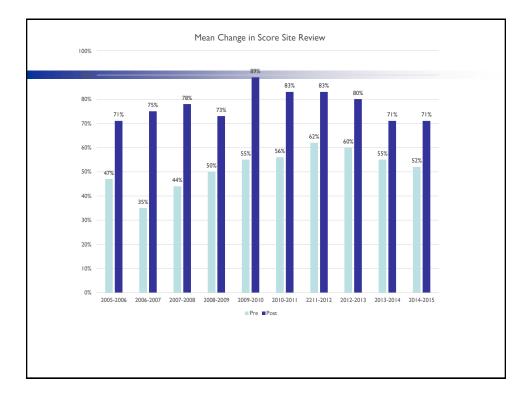
Instruction	Yes	No
32. Is staff paired as conditioned reinforcers or is there evidence of staff		
directly conditioning adults as reinforcers?		
33. Instructional control?		
Mand Training		
34. Form selection procedures (vocal, selection-based, sign)		
35. Density of opportunity:		
36. MO manipulation (capturing and contriving MO)		
37. Shaping.		
38. Mand prompt system:		
39. Staff provides mand discrimination opportunities by varying reinforcers		
used in mand training.		
Intensive teaching: Observe a five minute session of intensive teaching.		
Transcribe the teaching on attached form and use the data to answer the		
questions below.		
40. Mixed and Varied (covering at least 3 Verbal Operants during session)		
41. Easy Hard ratio (range between 60/40 and 85/15)		
42. Prompting and transfer trials		
43. Errorless teaching trials.		
44. Transfer across verbal operants		
45. Trials/min.		
46. Variable Ratio Schedule of Reinforcement.		
47. Stimulus control		

Natural Environment Teaching	
48. NET is guided by variables related to motivation.	
49. Evidence that NET is planned and systematic.	
 Evidence that NET is prained and systemate. The natural environment is prepared to allow students to access learning opportunities (appropriate materials are available, reinforcers available, environment adequately 'sanitized'' or 'enriched'' depending on purpose of NET) 	
51. NET Data:	
52. Instruction includes systematic procedures	
Other instructional methods (observe actual instruction or data	
collection)	
53. Use of appropriate vocal training processes. Differential reinforcement of vocal responding, stimulus-stimulus pairing, Kaufman procedures, or other vocal training.	
54. Direct instruction (Language for Learning, Reading Mastery, etc)	
55. Fluency or precision based teaching (timed trials, celeration charting)	
Group Instruction	
56. Group instruction "Groups" include two or more students.	
a. Group responses (i.e. choral responses)	
b. Clear targets (instruction is derived from a skill sequence or curriculum)	
 General engagement (judgment call but can be formalized through a time sample or a count of responses per minute) 	

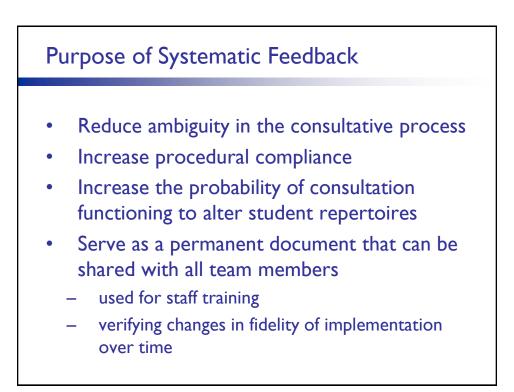
Social Skills Training	Yes	No
57. Social Interaction Instruction (direct teaching of social skills; two of 4 of the		
following). Any evidence of directly teaching children to interact with each		
other, including using peer to peer mand procedures, establishing peers as		
conditioned reinforcers, teaching peers to play with one another.		
a. Peers as conditioned reinforcers. Systematic procedures used to increase		
approach behavior from one student to other students.		
b. Peer to peer manding. Must be structured and implemented regularly,		
should also include data		
c. Play skills or leisure skills taught.		
d. Is a hierarchy of social skills established, assessed and taught?		

Behavior Interventions NOTE: Are any students at site presenting behaviors that are targeted for reduction: Yes/No. If no problem behaviors reported, complete this section as a review but do not include it in final percentage of implementation calculation. Be sure that the reported lack of need for problem behavior reduction is consistent with what is observed in the classroom. Only drop this item from scoring if the site reviewer does not observe any problem behavior during the review process. If problem behaviors are observed and none are reported above, note problem behaviors observed:	Yes	No
58.Is there an FBA on file for all students who present with significant problem behavior? <i>This process must yield a stated functional hypothesis</i> ?		
59.Problem Behavior Interventions (5 of 7 items must be scored as present)		
Complete this section based on review of one student's behavior problem programming.		
a. Target behaviors well defined Behavioral definitions		
b. Functional response classes identified?		
c. Interventions derived from and match function?		
d. Clear plan?		
e. Treatment integrity?		
f. Systematic staff training prior to implementing plan?		
g. Is intervention observed to be implemented consistently?		
60. Data and graphing of target behavior/interventions? Are there graphs that reflect data regarding the course frequency of behavior over time as a result of the intervention? Evidence of at least one graph for a reductive behavior intervention is sufficient. Do not score this item if item number 57 is omitted by criteria.		
61.Problem Behavior Intervention Design: Interventions must have 3/3 scored		
as present. Do not score this item if item number 57 is omitted by criteria.		
EO manipulation		
Teaching alternative behavior within response class?		
Extinction		

Scoring Rubric		
Total Number of Items Scored		
Total items on Site review		Total Items 61
Items Omitted by Criteria	Circle all omitted and total: 10 14 20 53 54 56 57 58 59 60 61	
	Total Omitted=	Minus Total Omitted
Total Number of items scored	Subtract Total omitted from Total Items	Total Administered =
Total Number of items scored as "Yes"		Total scored "yes" =
Percent of items implemented	Divide the total number scored yes by the total number of items administered and multiply by 100.	Total scored "yes" = X 100= Total Administered =
		SCORE:



Systematic Instructional Feedback



Specific Guidelines for Providing Effective Feedback

- I. Observe/Collect Data
- 2. Analyze/Interpret
- 3. Give Feedback:
 - -State where adherence is consistent
 - -Be constructive
 - -Be concrete, specific, and include quantitative data
 - -Provide clear procedural descriptions
 - -Set instructional targets and clear expectations for follow-up consultation

Data of Visite	Consultation Visitation Su	· · · · · · · · · · · · · · · · · · ·
	Classroom:	
	to: Internal Coach name:	
Consultant s hame/	internal Coach name.	
Topic #1:		
Observation/Data	(Section from site review):	
Interpretation/Hy	pothesis:	
Interpretation/Hy	pothesis:	
Interpretation/Hy	pothesis:	
	·	
	·	
Interpretation/Hy Recommendation	·	

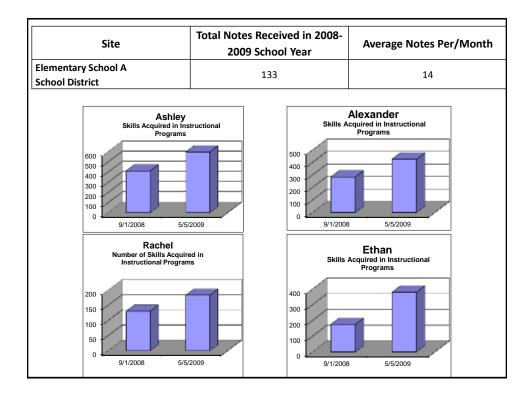
Sample Consultation Notes

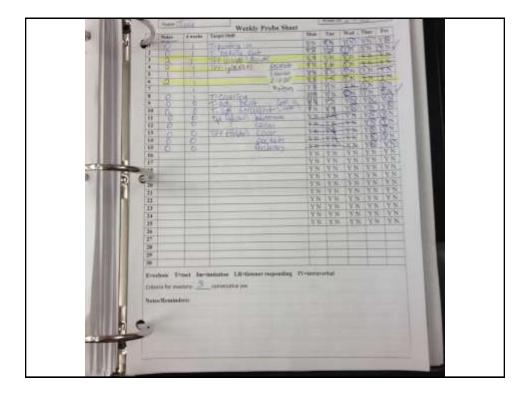
Interpretation/Hypothesis:

You already have so many components of effective teaching in place. Because of that, it doesn't surprise me that a student with such a strong history of behaviors to escape demands demonstrated good responding during the session. The components that were obviously present were: valuable reinforcement available, materials well organized and ready, fastpaced instruction, varying your S^d's (for example when doing match to sample, you didn't always use the same S^d, but rather varied it by saying "match", "find the same", "where does this one go?", etc), ending your session on a good response and contact to reinforcement. There were a few moments when the student engaged in off-task behavior and you responded adequately by not allowing him to escape your instruction. By incorporating other teaching procedures you might be able to get even better responses from your student and reduce his motivation to escape. Some of those other components are: fading in demands during instruction (number and difficulty), using a VR based on individual student needs, and using errorless teaching.

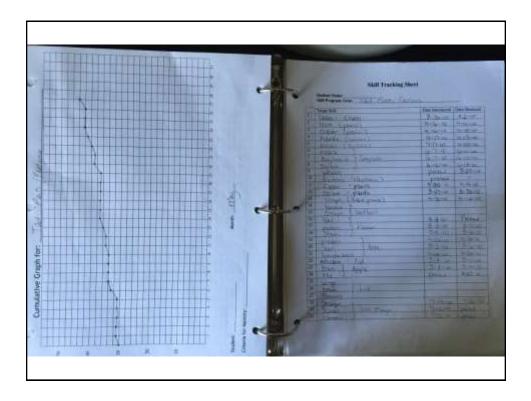
Sample Consultation Notes

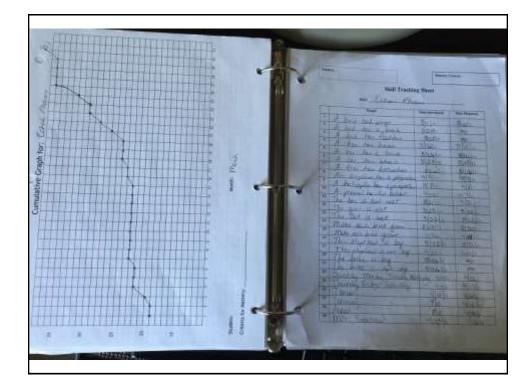
	cample of the p	procedure:
Teacher	Student	
What is it? C	at Cat	
What is it?	Cat	
Touch your h	nead Touc	hes head
Clap your ha	nds Claps h	nands
What is it? -	Cat	REINFORCE!!!
REINFORCE		
		nt makes an error at any time (throughout the procedure or during exactly the same procedure (go back to square one). See example
below:		
below: Teacher		Student
Teacher	while showing a	
Teacher What is it? (v	-	
Teacher What is it? (v What is it? C	at Cat	
Teacher What is it? (v What is it? C What is it?	at Cat	a cat) Ball
What is it? (v What is it? C What is it? Touch your h	at Cat Cat	a cat) Ball

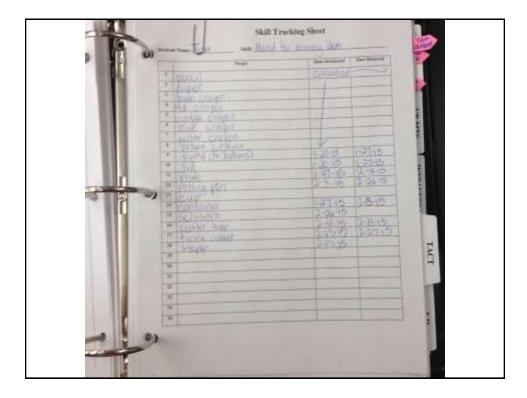


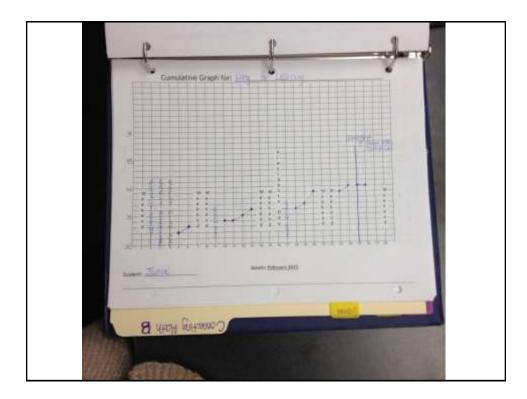


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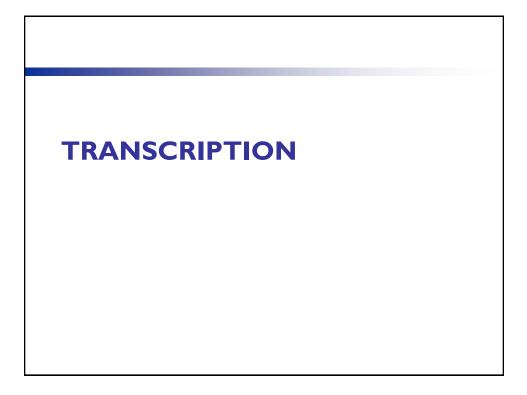


Demonstrations and Overview of Key Instructional Practices

- Intensive Teaching
 - Errorless teaching
 - Error correction
 - Card Sort
 - Data Systems
- Mand Training
- Direct Instruction
- Social Skills
 - Peer to Peer Manding
- Group Instruction
- Problem Behavior Reduction

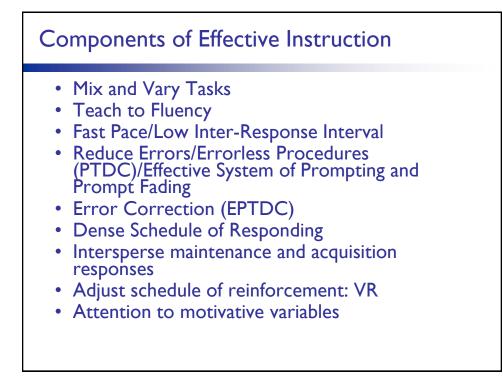


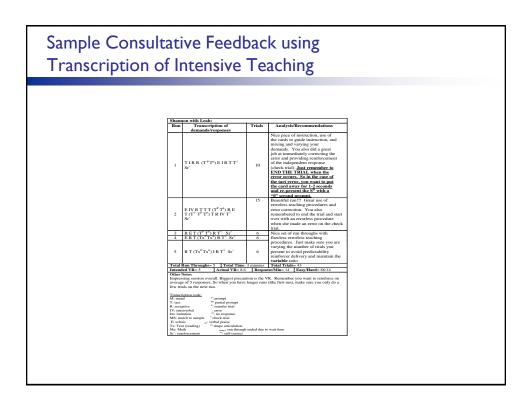
- I. Transcription of intensive teaching
- 2. Transcription of mand training
- 3. Treatment integrity checklists

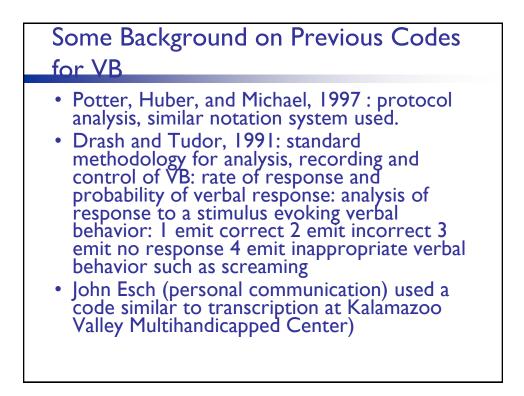


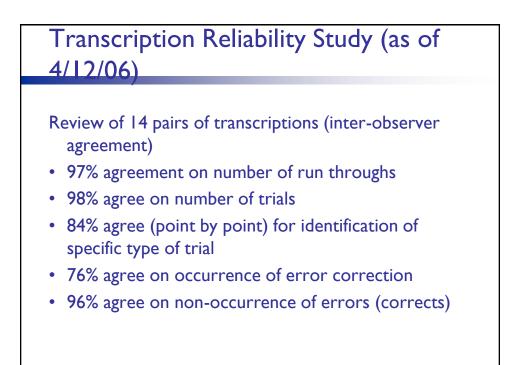


- Discrete trial instruction using a mixed and varied format
- Emphasis on teaching verbal behavior
- Video example











- Objective feedback of instruction
- Immediacy of feedback
- Can compare present performance to past or future performance
- Provides some data on student performance

What Behaviors are Coded?

- Purpose of the code is to evaluate instructional behavior, therefore determination of criteria for types of trials is derived primarily by the teacher's behavior : observer must determine type of instructional trial
- Student's behavior is coded as it relates to the instructional behavior emitted by the teacher: generally correct or error response

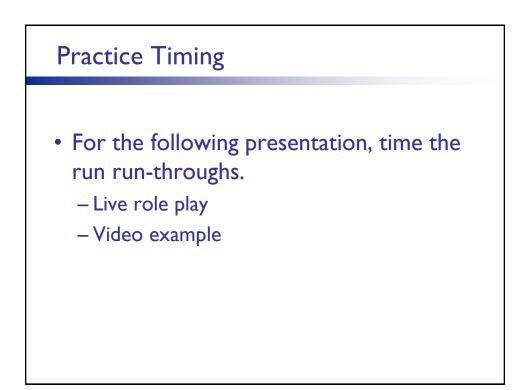
Administration: Materials

- Transcription protocol and clipboard
- Timing device, such as a stop watch or small digital kitchen timer
- Pen or pencil

Timing

 Each run through should be timed using a standard timing device such as a stop watcell phone, or kitchen timer. In order to complete timing of instructional strands ch, (runthroughs) the following steps are necessary:

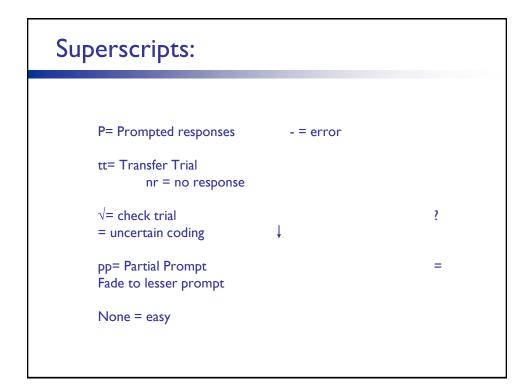
- Note the time instructor presents the first discriminative stimulus in run through and start timing device.
- Stop timing when reinforcement is presented.
- Note the total duration of the run-through in seconds on the recording sheet

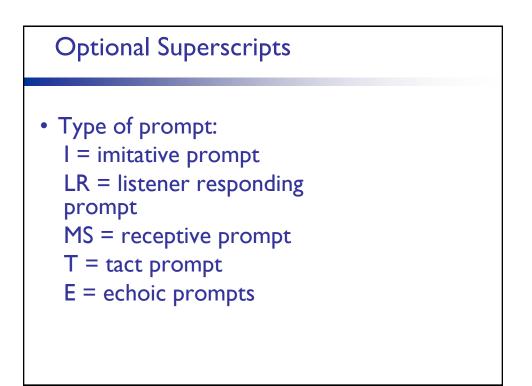


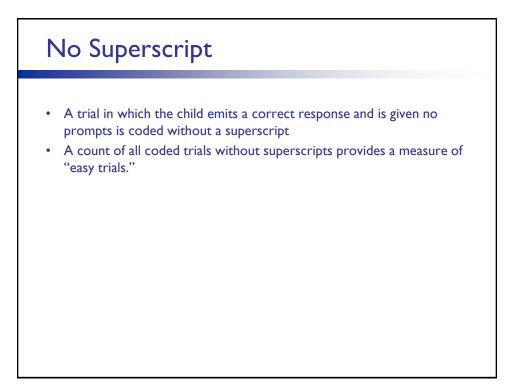
Scoring Codes Review of basic codes Review of superscripts and subscripts

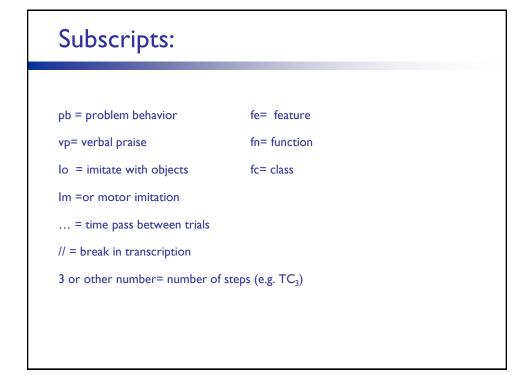
Primary Codes:

T= Tact	I= Imitation
IV= Intraverbal	LR= Listener Responding
E= Echoic	MS= Match to Sample
M= Mand	Tx= Textual
TC= Task Completion	Sr+= Positive reinforcement
	Sr-= Negative reinforcement









Uncertain Coding

• Use a ? as subscript or superscript whenever uncertainty exists about a response (not sure if it was correct, not sure if it was prompted, etc)

Problems in Implementing

Transcription

- VB can occur as discrete units controlled by singular antecedent stimuli ("pure operants") but most VB is not so simple
- Real world VB multiply controlled (under the stimulus control of multiple aspects of the environment) and continuous (stimulus changes including those produced by the speaker occur throughout the entire time such behavior is emitted)
- Verbal behavior used during instruction may be difficult to classify into discrete units due to multiple control issues

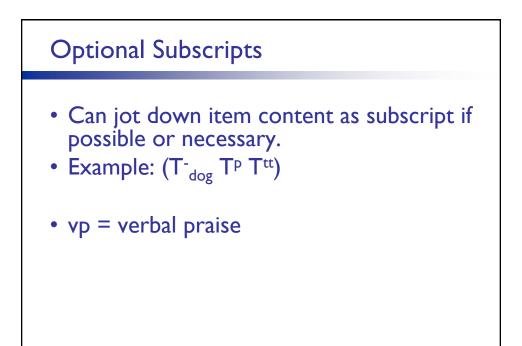
What To Do About Multiple Control?

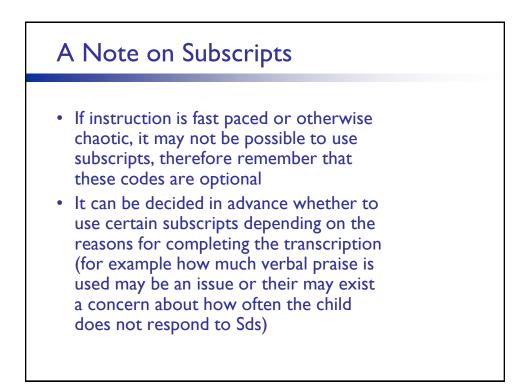
Rule of thumb:

- Instructor mands to engage in a particular operant are not considered in classifying type of trial.
- Transcriber makes a judgment for trial type based on the observers' familiarity with the intended instructional target e.g. color of card used.
- Do not score the emission of mands by the teacher for particular classes of operant behavior as a primary operant.
- Saying "do this" is a mand for the student to engage in imitative behavior and would not be scored as a receptive trial.
- "What is it?" is disregarded as exerting IV control within a trial in which the student is asked to tact a picture, object or their parts. Rather, the trial is coded as a tact trial.

For Imitation, Listener Responding and Match to Sample

- If the trial having both receptive and MS characteristics is followed by a transfer to a receptive, it was likely a prompted receptive trial.
- If the trial having both receptive and MS characteristics is followed by a transfer to MS, it was likely a prompted MS task.
- You can always ask the teacher between runthroughs what type of trial she was running.
- This distinction is relevant to instruction





Practice Reading Scripts Read the following scripts

Transcription #I

I E E LR LR LR LR (LR^{-P} LR^{tt}) MS MS S^{r+} How many trials? How many Easy Trials? How many Hard trials?



M T E MS MS $I_o I_m$ (MS⁻ MS^P MS^{tt}) T T IV MS^{$\sqrt{}$} LR LR T T T T T E (M^{-P} M^{tt})...

How many trials? How many Easy Trials? How many Hard trials?

Transcription #3

(E-E^P) E[?] (E-E^P) T⁻ LR⁻ LR^P MS^{PR?} Tx^{-nr} Tx^{-nr} TC₁₂ Sr⁻

How many trials? How many Easy Trials? How many Hard trials?



$$\begin{array}{c} \mathsf{I_o} \ \mathsf{I_o} \ \mathsf{I_m} \ \mathsf{I_m} \ \mathsf{v_p} \ \mathsf{LR} \ \mathsf{LR} \ \mathsf{PB} \ \mathsf{LR}_{\mathsf{vp}} \ \mathsf{LR}_{\mathsf{vp}} \ \mathsf{MS}_{\mathsf{vp}} \ \mathsf{I_o} \\ \\ \mathsf{v_p} \ \mathsf{PB} \ \mathsf{LR} \ \mathsf{S^{r+}} \end{array}$$

How many trials? How many Easy Trials? How many Hard trials?

Transcription # 5

LR LR (LR⁻ LR^p LR^{tt}) I (LR⁻ LR^p LR^{tt}) I I LR Sr+

How many trials? How many Easy Trials? How many Hard trials?

Transcription #6

```
M T (T<sup>P</sup> T<sup>tt</sup>) I<sub>m</sub> LR T<sup>\sqrt{}</sup> MS T LR
(E<sup>P</sup> E<sup>tt</sup>) T IV I<sub>m</sub> E<sup>\sqrt{}</sup> M Sr+
```

How many trials? How many Easy Trials? How many Hard trials?



- Role played instruction
- Instruction from video
 - -Candice with Natalie
 - -Amiris with William

Some Adaptations

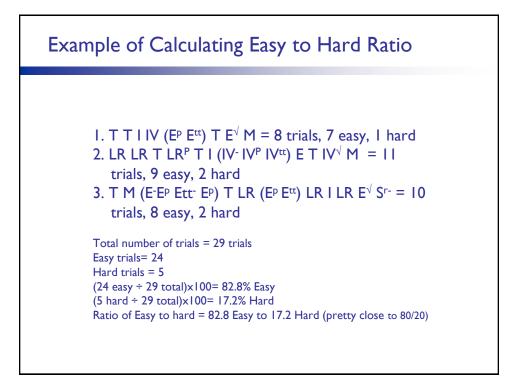
- Don't fret if you feel like you are not able to do all components of scripting immediately: it takes practice
- 2. You can use various components of the scripting process in isolation

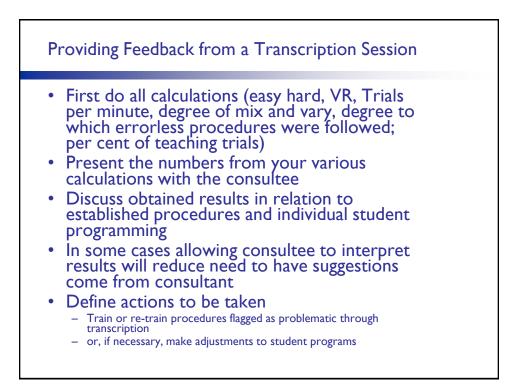
Scoring a Transcription Session

- Count number of run throughs
- Add up total duration of run throughs
- Count up total number of responses (trials)
- Divide number of responses by number of run throughs to establish Variable Ratio Schedule
- Divide number of responses by total duration (use minutes and fractions of minutes)
- To obtain minutes: add up duration of all run throughs in seconds and divide by 60



- Count total number of trials
 - (include mand trials
 - count all information within parenthesis as one trial
- Determine number of run throughs
- Divide number of trials by number of run throughs to yield a quotient reflective of average number of trials per run through. That figure is your VR.





	Transcriptio	n Work	sheet/Feedbac	k				
Date	lastructor: Student: Set VR: Start time: End fime: Tetal Time:	_ Observer:						
Run Thrs.	Transcription			Seconds per trial	Hard Triab	Easy Trials	Total Triak	
			Total Trials					
Prompted	$Total time of run throught = $$ Total # responses = $$ & error trials = 1 (R^r R^r) or (R^r R^r) or similar error sequences. $$$		Total usprompted trials/total sum	%Easy respo nber of trials X 100	nses /total tri	als= E	s	
	Total # responses/total run throughs= /	VR	Total prompted & error trials/tot	%Hard respo al number of trials	rses / total tri K 100	als= H	%	
Total num O	Responses per minute = ther responses total minutes Division markets of response to post and division (see minutes and fractions of markets) To obtain minutes, add up duration of all run throughs in seconds and divide by 60	/min	Total number teaching trials //ot O Count number of 0	Percentage a al number of trials second prompt tria	f teaching tri C 100 Is: (teaching tria	als=	%	

Mand Transcription

Mand Transcription

- Process similar to IT transcription
- However, code is on a trial by trial basis
- Antecedent Behavior Consequence

Codes for Mand Transcription

$\mathbf{M} = \mathbf{mand}$
NR = no response
$M^p = prompted mand$
M ^{tt} = mand transfer trial
$\mathbf{P} = \mathbf{pairing trial}$
M ⁻ = mand trial wrong response
M^+ = mand trial correct response
MO ⁻ = item presented, no motivation
MO = item presented, motivation present
Sc = scrolled response
\approx = approximation
Sh= Shape better response

I = Item present Sr+ or Sr-No Sr ET= End Trial n=neutral **Response Form:** V = vocalS = signAD= augmentative device P = selection based

MO PTr	NR	Sr⁺	Ball
MO M ^p	M ^{+ voc}	Sr+	Pretzel
NoMo	M- sg	No Sr	Chip

Mand Transcription Sample

MAND Transcription	Item Requested	Comments
MO (Mp Mtt) Sr+	Car	Good use of transfer trial
MO M Sr+	Car	_
MO Sr+	Monster truck	Great job freely giving items. Make sure you label it as you give it.
MO M Sr+	Gummy	Nice use of differential reinforcement
MO M Sr+	Gummy	-
MO (Mp) Sr+	Car	Move the car closer and wait for a transfer trial.
MO M Sr+	iPad	Good shift of MO



Developing Treatment Integrity Checklists First develop procedural descriptions of intervention or protocol Select critical aspects of protocol to be observed Be sure each line is observable When possible tie to actual measures (quantitative rather than qualitative measures) Multiple arrangements possible for completion:

- Third party observer (consultant, internal coach, administrator)
- Teacher observes staff
- Self report (best with intermittent fidelity checks)
- Design with user in mind

	Date: Instructor:Student:	_		
	Observer 1:Observer 2:IOA%			
		YES	NO	N
ц	1. Is instructional area neat and sanitized?			
izati	2. Does instructor have all materials needed for instruction organized and ready?			
Organization	3. Does instructor have a variety of valuable reinforcers available?			
	4. When teaching, does instructor present the S ^D and prompt the correct response?		\square	t
	5. Once the student complies with the prompt, does the instructor re-present the S ^D with no prompt or a			
s	faded prompt (transfer trial)?			
dure	6. Is transfer trial followed by distractor(s)?			
Teaching Procedures	7. Following distract trials, does the instructor re-present the S ^D with no prompt or a faded prompt as			
ng F	presented in transfer trial (check trial)?			
cachi	8. Does instructor model the action to be performed for the prompt, transfer and check trials?			
Ĕ	 Does instructor reinforce at set VR schedule? VR: 			
	10. Does instructor use a prompt that results in correct response?			
	11. Does instructor differentially reinforce (better reinforcement) target responses?			
	12. Does instructor end the trial and ensure student is in neutral position (use ready hands if needed)?			
tion	13. Does instructor re-present the S ^D and prompt the correct response?			
Error Correction	14. Does instructor prompt student if no response occurred within 2 seconds for a previously mastered			
ŭ	item?			
Err	15. Does instructor model the action to be performed for the prompt, transfer and check trials during			
	error correction?			
Note	s:			
			/15	
		Percen	tage of	Y

Date:	Instructor:	Student	:	
bserver 1:	Instructor:Observer 2:			_ IOA%
		YES	5 NO	N/A
1. Does instru	ctor review shell levels?			
	ctor identify and review the last shell level stude for before starting session? (instructor can accura			
	ctor identify a strong reinforcer and show it as a at the first trial?	promised		
 Does instru successful 	ctor present the first trial at the last level student at?	twas		
5. If correct, o	on first trial, does instructor move to the next she	:11?		
6. Does instru	ctor continue to move up the shells with success	?		
	m is imitated correctly, does instructor show the and deliver the reinforcer? (differentially reinfor			
	loes not imitate the word shell correctly, does ins shell up to 2 more times? (3 trials total)	tructor		
If student r	esponds incorrectly on the next 2 repetitions, doe nodel the highest level word shell that was echoe			
	ctor praise student when he vocally matches the and then moves on to the next word?	lower		
an easy kno	not meet parity of lower word shell, does instruct own word, reinforce, (less than if student met par the next word?			
Notes:			/ 11	

Daté:	Instructor:	Student:			
Observer 1:	Observer 2:	IOA%			
			Yes	No	N/.
	ems available including target items, mastered item	is and non-target items?			
	D is in place for teaching items?				
	ent in identifying which mand items should be run			_	
	a target item, was a probe completed prior to teach	ing?		_	_
a. Probe for MO					
b. If MO "yes", then	probe for response				
c. If MO "no", no pr	obe and move on to next item				
If MO was present, instru and future targets?	ctor modeled the adult form when presenting the it	em during pairing trials for targets			
6. During the session, did th	e instructor avoid reducing MO by:				
 Varying reinforce 	rs and types of reinforcers?				
b. Stopping use of re	inforce before it loses its value?				
c. Varying method of	f delivery?				
d. Providing mands	rials on an unpredictable schedule of delivery?				
	e prompt) procedures used for initial trials of target	items?			
	lly attempt to fade prompts?				
	ponse was achieved, did instructor provide differen	tial (better) reinforcement?		_	
	astructor run error correction?				
 Remove reinforce 	-				
	al (hands neutral if signer)				
c. Pause for 3-5 seco	nds				
d. Represent item wi	th immediate prompt				
	hing procedure ONLY for the items being targeted				
	o say the adult form of the word each time the iten			_	
	trials of mastered mands to provide variety and pra			_	-
	other types of trials and fun activities as appropriat				
item?	other reinforcers that have not been mastered for free				
	el items/activities in an attempt to condition new re				
	lid instructor set timer and collect prompted vs. un	prompted mands?			
Notes:			/17		

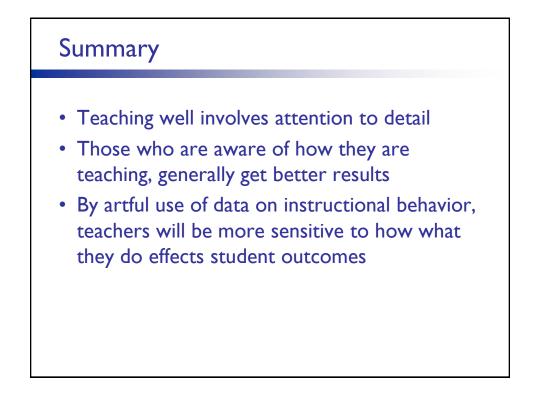
		Date:	Instructor:		Student:				
		Observer 1:	0	bserver 2:		IOA%		-	
							YES	NO	N/
	1.	Is the instructional area r	eat and clean?						
	2.	Are all materials organize							
ation	3.	Are a variety of potential	manding items available	e?					
Organization	4.	Are initial mands of dissi motivational categories?		generalized, and sel	ected from several d	ifferent			
	5.	Does teacher confirm the	student has motivation f	for the item(s)?					
	6.	Does the teacher model t	he sign, student imitates	sign, and teacher de	elivers item?				
	7.	Does the teacher provide	the least intrusive prom	pt necessary for stu	dent success?				
odures	8.	Does the teacher demons	trate dynamic responsive	eness to student app	roximation of target	?			
2 Proc	9.	Does the teacher AVOID	the prompt "what do you	u want?"					
Teaching Procedures		Is the item name said ma			t during teaching pro	ocedures?			
F	11.	Does the teacher provide	an adequate number of t	eaching trials per d	ay?				
		Does the teacher run mor				portunities?			Γ
	13.	If error occurs, does teac	her remove the reinforce	r and attention?					
uo	14.	After removing reinforce	r/attention during error c	correction, does tead	cher pause for 3-5 se	conds?			
Error	15.	After the pause, does tea	cher re-present the item v	with an immediate	prompt?				
0	16.	If student emits the corre	ct response, does teacher	reinforce and say t	he name of the item	upon delivery?			
	17.	Is there daily data and gr	aph for mand frequency			· · ·	-		
	18.	Is there daily data and gr	aph for mand acquisition	?					
Data									
Note	s:							I	L
								/ 18	5
							Percer	ntage of	·Y's

]	Date:					Instr	uctor:						Stu	ıdent	:					_			
		0)bser	ver 1	:					_0	Obser	ver 2	:						_ I	OA%		_		
																						YES	NO	N/A
lion	1.	Is the	instru	ctional	area	neat a	nd clea	an?																
Organization	2.	Are al	l need	ed ma	terials	orgar	nized a	and rea	dy?															
0. D	3.	Does	instru	ctor be	gin pr	omptl	y?																	
	4.	Does	instru	ctor fo	llow tl	ne mot	ivatio	n of st	udent?															
ional ery	5.	Does	the ins	structo	r use a	ppprop	riate l	evel of	enthusi	asm	n?													
Delivery	6.	Does	the ins	structo	r mix	the ve	rbal o	perants	?															
<u> </u>	7.	Does	the ins	structo	r use e	errorle	ss tead	ching v	with app	ropr	riate ti	me de	lay?											
	8.	Does	the ins	tructo	r aver	age 4-	5 resp	onses 1	per minu	ite?														
	9.								ime per			ET?												
g	10.	Is the	NET	data sł	neet av	ailabl	e?																	
Jata	11.	Is NE	T data	being	taken	?																		
S	12.	Is NE	T data	being	graph	ned?																		
	13.	Does	positiv	/e rein	forcer	comp	ete wi	ith nega	ative rei	nfor	cemer	nt or a	utoma	tic rei	nforce	ement?								
SR+	14.	Does	instru	ctor pa	ir soci	al reir	force	ment w	ith the t	ang	ible it	ems?												
	15.								tinction	0	·													
nent	16.								ring pro													_		
Be havior lan agemen	17.								ior data		ures:											-		
Ma	18.								tecedent		arvant	ions?									 	_		
	19.) second				er error	rs?										
Correction	20.				<u>^</u>				s later?															
Con	20.							esponse																
3 m	1. inute	sampl																						
				0000		0.000		•		-														
	N	land	_		Tact			Recept	ive	-	Intr	averba	1	M	otor Im	itation	+		Ecl	hoic				
										-							_						/ 2	1
Re	spon	ises pe	er mir	nute:		_sec	onds	per ir	terval												1	Percer	itage c	f Y's
1	2	3	4	5	6	7	8	9	10 1	1	12	13	14	15	16	17	18	1	9	20			-	

Date	Instructor:Student:			
Obse	: Instructor: Student: rver 1:Observer 2:IOA%			
		YES	NO	N/A
ion	1. Is instructional area neat and sanitized?			
Organization	2. Does instructor have all materials needed for instruction organized and ready?			
0 ¹	3. Does instructor have a variety of valuable reinforcers available?			
	4. Does session begin with delivery of reinforcement or an opportunity to mand?			
	Does instructor gradually fade in the demands/tasks presented?			
	6. Does instructor use fast-paced instruction (no more than 2 seconds between student's response and your next instruction)?			
	7. Does instructor mix and vary instructional demands (no more than 3 of the same operant/task in a row)?			
Feaching Procedures	 Are easy and difficult tasks interspersed at the appropriate ratio? Easy/hard ratio: 			
ing Pa	Does instructor use a natural tone of voice?			
Teach	10. Does instructor reinforce at set VR schedule? VR:			
	11. Does instructor use 0 second delay prompts for teaching targets?			
	12. Are prompted trials followed by a transfer trial, distractor(s), and a check trial?			
	13. Does instructor differentially reinforce (better reinforcement) target responses?			
	14. Does instructor differentially reinforce (better reinforcement) quicker and more independent responding?			
Error Correction	15. Does instructor re-present the instruction followed by a 0 second delay prompt when errors occurred?			
Ea	16. Does instructor prompt student if no response occurred within 2 seconds for a previously mastered item?			
No	tes:		/16	

	Instructor:Student:			
Observe	er 1: Observer 2: IOA%			
_		YES	NO	N/A
1.	Does instructor tell student "You'll have to wait" or some similar phrase based upon his/her skill level?			
2.	Does instructor begin counting aloud and show the passage of time by using fingers and saying, "Wait one, two, three" as instructor holds up fingers (count will be predetermined based upon student)?			
3.	If problem behaviors do not occur during the entire counting interval, does instructor immediately deliver reinforcement?			
4.	If at any point during the counting student engages in problem behavior, does instructor restart the count?			
5.	Does instructor continue to restart the count until he/she is able to count the entire interval without student engaging in problem behavior?			
6.	If instructor repeats the count for many trials and student continues to engage in problem behavior, does instructor walk away if it is safe to do so?			
7.	If student moves away from instructor, does instructor make sure he/she remains safe, but does not follow and end count?			
8.	If at any point student re-approaches instructor, does instructor start the procedure over again?			
9.	Does instructor block self-injurious and aggressive behaviors?			
10.	If the schedule dictates, does instructor move on to another activity and thus student loses the opportunity to access the particular reinforcer?			
Notes				
			10	
		Percentage	of Y's:	

ite:	Instructor: Student: Observer 2:IOA%								
bserver 1:	Observer 2:IOA	%							
		YES	NO	N/A					
1.	Did instructor determine a reinforcer that Student wanted at the moment?								
2.	Did instructor hold the item so that it was visible to Student just before and as instructor presented instruction?								
3.	Did instructor present a clear direction Student was to follow? (i.e. "It's time to ")								
4.	If Student complied with instruction within 4 seconds did instructor immediately deliver the promise reinforcer?								
5.	If Student did NOT follow the instruction within 4 seconds did instructor remove the item and follow through on the demand given (repeat instruction and prompt as necessary until compliance without problem behavior)?								
6.	If follow through was needed, did instructor make sure to have Student engage in at least 2 more easy responses before instructor re-instated reinforcement (and this reinforcement was not the original promise reinforcer)?								
7.	Did instructor provide better reinforcement for those trials with immediate compliance free of problem behavior?								



Summary/Closing Comments

- Sully Sullenberger's crew saved lots of lives through checking that procedures were followed. No one drowned in the icy Hudson.
- We can insure that many children with autism have better lives by making sure we help teachers follow procedures with precision! No students will fall into the icy abyss of inconsistent instruction...

Contact Information

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