HELP, THIS KID IS BAD!



Laura Alison Peroutka, M.Ed, BCBA Owner/Director *First Leap LLC* laura@first-leap.com (512) 887-2126 Cyndi O'Toole, MA, BCBA Candidate Education Specialist, Autism and Developmental Disabilities Deaf/Hard of Hearing ESC Region 13 cyndi.otoole@esc13.txed.net 512.919.5180

"BEHAVIOR IS WHAT A MAN DOES, NOT WHAT HE THINKS, FEELS, OR BELIEVES"

- **EMILY DICKINSON**

TO EFFECTIVELY ADDRESS PROBLEM BEHAVIOR, THE BEHAVIOR NEEDS TO BE CLEARLY DEFINED OBJECTIVE AND FACTUAL THINK ABOUT FREQUENCY (NUMBER), INTENSITY (DEGREE), AND DURATION (TIME)

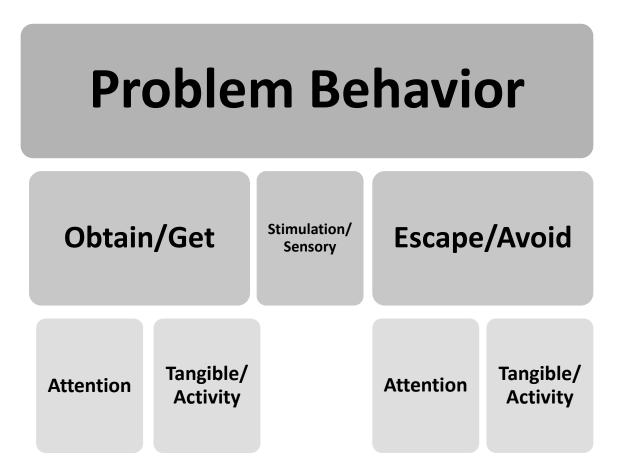
INSTEAD OF	USE
HAS A MELTDOWN	CRIES AND/OR SCREAMS WHILE HITTING OR KICKING THE TABLE OR GROUND
IS AGGRESSIVE	HITS OTHERS WITH CLASSROOM MATERIALS OR PERSONAL ITEMS
IS RUDE	USES PROFANITY OR OTHER SIMILAR WORDS DIRECTED AT PEERS AND ADULTS

YOU MAY CONSIDER THINKING OF BEHAVIOR IN TERMS OF...

LOOKS LIKE	Sounds like

BEHAVIOR SERVES THREE MAIN FUNCTIONS:

1.	
2.	
z	



FUNCTIONS OF BEHAVIOR		
	ΟΒΤΑΙΝ	Avoid
ATTENTION		
Tangible /Activity		
Sensory		

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See Handout pages 1-2 for the Questions about Behavioral Function (QABF) that may be beneficial when determining the function of a behavior.

FUNCTIONAL APPROACH TO BEHAVIOR

Behaviors are caused by	·•
Behaviors are maintained by	·
Changing behaviors requires consideration of	
Reinforcement:	
Punishment:	
Positive:	
Negative:	

EFFECT/ACTION	GIVE	Remove
INCREASE	Positive	NEGATIVE
	REINFORCEMENT	REINFORCEMENT
DECREASE	POSITIVE PUNISHMENT	NEGATIVE PUNISHMENT



REINFORCEMENT

See handout Pages 3-6 for Forced-Choice Reinforcement Menu

Types of Reinforcers Primary

Secondary

Tangible Activity Oriented Social Generalized

USING A-B-C DATA TO DETERMINE THE FUNCTION OF THE BEHAVIOR

ANTECEDENT	BEHAVIOR	CONSEQUENCE
The stimulus or	The behavior that we	The stimulus or
stimuli to which the	see the child exhibit	stimuli that the child
child responds		receives (or that s/he
		no longer receives) as
		a result of the
What happens		behavior
<u>BEFORE</u> the target		
behavior		
		What happens AFTER
NOTHING IS NOT AN		the behavior
ANTECEDENT!		

See handout Pages 7-8 for Sample Structured A-B-C Analysis Form

SETTING EVENTS: events that occur at a different point in time that may influence behavior in the future or have an effect on how a person responds to antecedents. Examples:

WHY USE ANTECEDENT BASED INTERVENTIONS?

Because many learners with ASD engage in interfering behaviors, teachers and other practitioners who work with this population may find ABI strategies particularly helpful in preventing or reducing interfering behaviors as well as increasing on-task behaviors. One reason is that ABI strategies are easy to implement and require little additional effort by classroom teachers and other practitioners who work with learners with ASD on a regular basis. Second, ABI strategies are effective with a variety of learners across the age range. These two factors make ABI a particularly relevant and effective practice that can be used to prevent or reduce interfering behaviors and to increase engagement and on-task behavior." www.autisminternetmodules.org

EXAMPLES OF ANTECEDENT BASED INTERVENTION

- arranging the environment,
- changing the schedule/routine,
- structuring time,
- using highly preferred activities/items to increase interest level,
- offering choices,
- altering the manner in which instruction is provided,
- enriching the environment so that learners with ASD have access to sensory stimuli that serve the same function as the interfering behavior (e.g., clay to play with during class, toys/objects that require motor manipulation), and
- implementing pre-activity interventions (e.g., issuing a warning about the next activity, providing information about schedule changes)
- •
- •



See handout page 9 for Individualizing Visual Schedules and pages 10-11 for sample classroos.

FUNCTIONAL BEHAVIOR ASSESSMENT (FBA)

The primary purpose of a functional behavior assessment is to provide a **COMPREHENSIVE** explanation of a behavior and it's **FUNCTION**.

Often, the secondary purpose is to determine a behavior intervention plan (BIP) based on the determined **FUNCTION**.

An FBA can also look at what prior interventions have had some success or not worked at all.

Components of an FBA

- Definition of Behavior
- Indirect Measures
 - Parent/Staff Interviews
 - Student Interviews (if possible)
- Direct Measures
 - o ABC Data
 - Previous behavior notes (i.e. referrals, notes home)
 - Preference Assessment
 - Scatterplot
- Analyzed Data & Hypothesized Function
- Recommendations

What type of data should I collect for a FBA?

Developing a Behavior Plan/Behavior Intervention Plan (BIP)

Step 1:

Step 2:

Step 3:

Step 4:

What do I do if the target behavior has more than one function?

OBTAIN ATTENTION/TANGIBLE BEHAVIORS

ANTECEDENT	BEHAVIOR	CONSEQUENCE
What can you do to	What will the	How can you reward
help prevent the	replacement behavior	the desired behavior
behavior in the first	be?	instead of the
place?		undesired?

ESCAPE BEHAVIORS

ANTECEDENT	BEHAVIOR	CONSEQUENCE
Is the work too hard?	You can't let the	Differential
	student escape each	reinforcement!
	time.	

See handouts pages 12-14 for Strengths and potential limitations of treatments for escapemaintained problem behavior, attention-maintained problem behavior clinical algorithm, and problem behavior maintained by escape from demands.

EXTINCTION

"...Reduces the behavior by withholding or terminating the positive reinforce that maintains an inappropriate target behavior" (Alberto & Troutman, 2005)

- Tailored to fit the function of the target behavior
 - \circ Attention
 - Escape
- Extinction Burst
- **CONSISTENCY** IS IMPORTANT!
- Spontaneous Recovery:
- Requirements
 - Identification of maintaining reinforce
 - o Ability to withhold reinforce consistently over time
 - o Identification and strengthening of alternative behavior

TEACHING REPLACEMENT BEHAVIORS

Errorless Teaching: Prompt the correct response/behavior before the student has a chance to make an error. Be sure to fade prompts so the student doesn't become prompt dependent

Non-Contingent Reinforcement: Student is provided with reinforcement throughout the day at regularly scheduled intervals. This works best when you know what is highly reinforcing to the student.

SCHEDULES OF REINFORCEMENT

Move from a good amount of reinforcement to less in order to represent real life.

Continuous Reinforcement:

Intermittent Reinforcement: Life is generally on an intermittent schedule

Reinforcement is available but not on a continuous schedule Either access to reinforcement is available...

So many occurrences (every 5th)

Upon the first occurrence after a fixed amount of time

OR

Every approximate number of occurrences Every approximate amount of time

Maintains behavior better

TOKEN SYSTEMS

BEHAVIORAL MOMENTUM

POSITIVE BEHAVIOR SUPPORTS

 The IEP team to consider the use of Positive Behavioral Interventions and Supports for any student whose behavior impedes his or her learning or the learning of others (20 U.S.C. §1414(d)(3)(B)(i)).

Differential Reinforcement: Always start out with a frequent (even more so than you think) schedule of reinforcement

DRO: Differential Reinforcement of	Behavior

DRI: Differential Reinforcement of ______ Behavior

DRA: Differential Reinforcement of ______ Behavior

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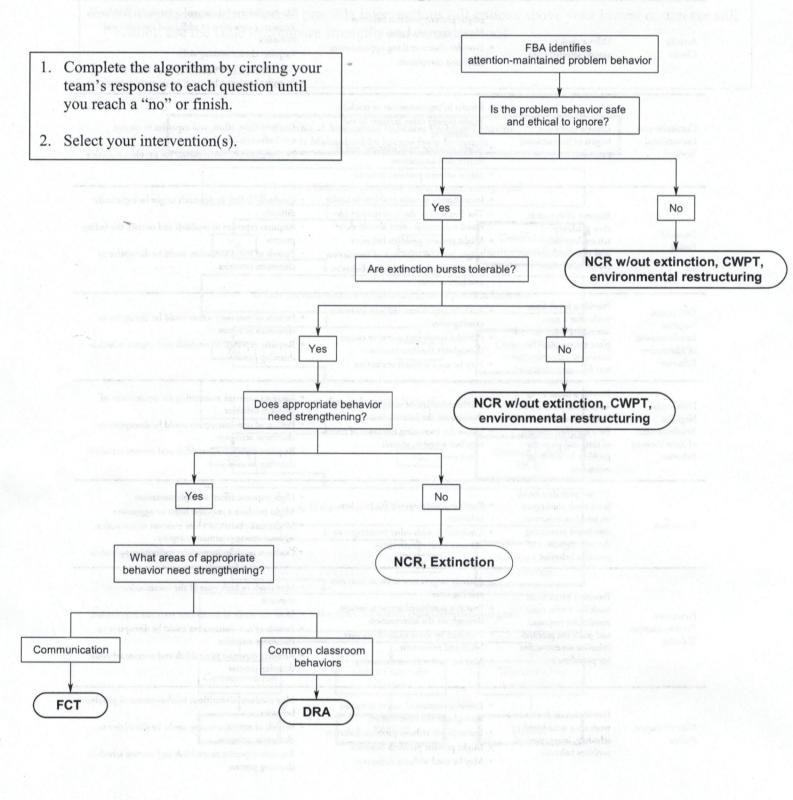
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Activity 2: Attention-Maintained Problem Behavior Clinical Algorithm



Forced-Choice Reinforcement Menu

Name:

In order to identify possible classroom reinforcers, it is important to go directly to the source, namely, you the student. Below is a paragraph that provides instructions for completing a series of "controlled choice" survey items about individual reinforcement preferences. Please read the following paragraph carefully:

"Let's suppose that you have worked hard on an assignment and you think that you have done a super job on it. In thinking about a reward for your effort, which one of the two things below would you most like to happen? Please choose the one from each pair that you would like best and mark and "X" in the blank that comes in front of it. Remember, mark only one blank for each pair."

- 1.

 Teacher writes "100" on your paper. (A)

 Be first to finish your work. (CM)
- 2. _____ A bag of chips. (CN) Classmates ask you to be on their team. (P)
- 3. ____ Be free to do what you like. (I) Teacher writes "100" on your paper. (A)
- 4. ____ Classmates ask you to be on their team. (P) Be first to finish your work. (CM)
- 5. _____ Be free to do what you like. (I) A bag of chips. (CN)
- 6. _____ Teacher writes "100" on your paper. (A) Classmates ask you to be on their team. (P)
- 7. _____ Be first to finish your work. (CM) Be free to do what you like. (I)
- 8. _____ A bag of chips. (CN) Teacher writes "100" on your paper. (A)
- 9. ____ Classmates ask you to be on their team. (P) Be free to do what you like. (I)
- 10. _____ Be first to finish your work. (CM) A bag of chips. (CN)
- 11.
 Teacher writes "A" on your paper. (A)

 Be the only one that can answer a question. (CM)
- 12. _____ A candy bar. (CN)
- Friends ask you to sit with them. (P)
- 13.

 Be free to go outside. (I)

 Teacher writes "A" on your paper. (A)

3 126	14.	ı <u></u>	Friends ask you to sit with them. (P) Be the only one that answers a question. (CM)
	15.		Be free to go outside. (I) A candy bar. (CN)
	16.		Teacher writes "A" on your paper. (A) Friends ask you to sit with them. (P)
	17.	-	Be the only one that can answer a question. (CM) Be free to go outside. (I)
	18.		A candy bar. (CN) Teacher writes "A" on your paper. (A)
	19.		Friends ask you to sit with them. (P) Be free to go outside. (I)
	20.		Be the only on that can answer a question. (CM) A candy bar. (CN)
	21.		Teacher writes "Perfect" on your paper. (A) Have only your paper shown to the class. (CM)
	22.		A can of soda. (CN) Classmates ask you to be class leader. (P)
	23.		Be free to play outside. (I) Teacher writes "Perfect" on your paper. (A)
	24.		Classmates ask you to be class leader. (P) Have only your paper shown to the class. (CM)
	25.		Be free to play outside. (I) A can of soda. (CN)
	26.		Teacher writes "Perfect" on your paper. (A) Classmates ask you to be class leader. (P)
	27.		Have only your paper shown to the class. (CM) Be free to play outside. (I)
	28.	······	A can of soda. (CN) Teacher writes "Perfect" on your paper. (A)
	29.	• • • • • • • • • • • • • • • • • • • •	Classmates ask you to be class leader. (P) Be free to play outside. (I)
	30.		Have only your paper shown to class. (CM) A can of soda. (CN)
	31.		Teacher writes "Excellent" on your paper. (A) Have your paper put on the bulletin board. (CM)

•

2

3.2	 A pack of gum. (CN) Friends ask you to work with them. (P)
33.	 Be free to work on something you like. (I) Teacher writes "Excellent" on your paper. (A)
34.	 Friends ask you to work with them. (P) Have your paper put on the bulletin board. (CM)
35.	 Be free to work on something you like. (I) A pack of gum. (CN)
36.	 Teacher writes "Excellent" on your paper. (A) Friends ask you to work with them. (P)
37.	 Have your paper put on the bulletin board. (CM) Be free to work in something you like. (I)
38.	 A pack of gum. (CN) Teacher writes "Excellent" on your paper. (A)
39.	 Friends ask you to work with them. (P) Be free to work on something you like. (I)
40.	 Have your paper put on the bulletin board. (CM) A pack of gum. (CN)

Other suggestions about classroom rewards:

Thank you for taking the time to complete this survey.

Reinforcement Inventory

Scoring Key

Adult Approval (A)
Competitive Approval (CM)
Peer Approval (P)
Independent Rewards (I)
Consumable Rewards (CN)

Modified by Gable, R. A. (1991) from:

Cartwright, C. A., & Cartwright, G. P. (1970). Determining the motivational systems of individual children. Teaching lixecptional Children, 2:3, 143-149.

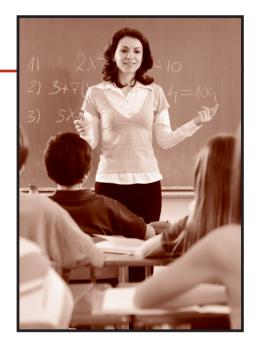
Function-Based Treatments for Escape-Maintained Problem Behavior: A Treatment-Selection Model for Practicing Behavior Analysts

Kaneen B. Geiger, M.S., James E. Carr, Ph.D., BCBA-D, and Linda A. LeBlanc, Ph.D., BCBA-D Auburn University

ABSTRACT

Escape from instructional activities is a common maintaining variable for problem behavior and a number of effective treatments have been developed for this function. Each of these treatments has characteristics that make them optimal for certain environments and clients, but less optimal for others. We summarize the most commonly researched function-based treatments for escape-maintained behavior, describe the contexts for which they are most appropriate, and provide a clinical model for selecting treatments based on client characteristics and the constraints of the therapeutic environment.

Keywords: Activity choice, clinical decision making, curricular revision, demand fading, differential reinforcement, escape, extinction, function-based treatment, noncontingent reinforcement



ne of the most common reinforcement functions of problem behavior is escape from instructional stimuli. Escape, or the social-negative reinforcement function, has been shown to be at least as prevalent as and sometimes more prevalent than attention (i.e., social-positive reinforcement) and automatic reinforcement functions. For example, in an analysis of the functions of self-injurious behavior (SIB) of 152 individuals with developmental disabilities, Iwata, Pace, Dorsey, et al. (1994) demonstrated that 35% of the individuals displayed SIB maintained by escape from instruction, compared to 23% and 26% of individuals whose SIB was maintained by attention and automatic reinforcement, respectively. Similarly, Asmus et al. (2004) demonstrated that social-negative reinforcement was the most common maintaining variable for problem behavior either solely or in combination with social positive reinforcement (i.e., multiple control) for 138 individuals with and without developmental disabilities. Finally, Love, Carr, and LeBlanc (2009) found that escape was the second most common function of problem behavior, identified

for 50% of 32 children with autism spectrum disorders.

Individuals with disabilities are frequently exposed to learning situations that target important habilitative skills such as pre-academics, activities of daily living, communication, social behavior, among others. Unfortunately, a number of aspects of the instructional environment might become aversive and establish escape from them as a negative reinforcer. For example, task difficulty, rate of instruction delivery, and particular prompting strategies could all have aversive properties for some learners. If problem behavior occurs in response to the aversive situation, a common and understandable reaction of many instructors might be to allow the client time away from the task to "calm down." Frequent instruction, impaired repertoires associated with disabilities, and natural reactions to problem behavior from caregivers likely combine to make escape functions quite common.

Practicing behavior analysts who work with individuals with disabilities in any type of instructional setting should be prepared to treat escape-maintained problem behavior. If a functional assessment indicates that problem behavior is maintained by escape from instructional activities, there are a number of treatments that might be employed as part of a behavioral intervention plan. The current standard for reductive treatments is to base them on the results of a functional assessment. These "functionbased" treatments directly address some aspect of the behavior's maintaining contingency (e.g., establishing operation, reinforcer) by, for example, eliminating the contingency through extinction, weakening the establishing operation by making a task less aversive, or teaching the individual a more appropriate way to access the reinforcer (i.e., escape). The remainder of this article will focus exclusively on selecting treatments that directly address a problem behavior's negative reinforcement function.

Selecting an intervention that is likely to be successful for a given client and therapeutic environment can be challenging unless the behavior analyst is well-versed in the characteristics of each treatment and has a framework for choosing between multiple appropriate treatments. Thus, the first purpose of this article is to describe six categories of commonly researched, function-based treatments for escapemaintained problem behavior: (a) activity choice, (b) curricular and instructional revision, (c) demand fading, (d) differential reinforcement, (e) extinction, and (f) noncontingent escape (see Table 1). This summary is followed by a clinical decision-

One of the most common reinforcement functions of problem behavior is escape from instructional stimuli

making model for selecting the most appropriate treatment based on characteristics of the client and therapeutic environment and their match with the treatment's specific advantages and disadvantages. The focus of the model is escape-maintained behavioral excesses (e.g., self-injury, aggression, property destruction) rather than noncompliance (e.g., non-responding, verbal refusal), but we refer the interested reader to Houlihan, Sloane, Jones, and Patton (1992) and Cipani (1998) for reviews of treatments for noncompliance. In addition, punishment procedures are not included in the present model and the practitioner might view this model as a guide for exploring the full range of function-based treatments before considering explicit punishment procedures.

Function-Based Treatments for Escape-Maintained Problem Behavior

Activity Choice

Activity choice involves providing the learner with an opportunity to select either the order in which, or time at which, tasks are completed (Dyer, Dunlap, & Winterling, 1990). Activity choice is considered a function-based intervention because the individual can presumably avoid the aversive aspects of one task by selecting another. For example, Dyer et al. used activity choice to reduce escape-maintained disruptive behavior (e.g., aggression, SIB, tantrums) of three children with developmental disabilities. Each participant was provided with a choice between 3 to 4 academic tasks (e.g., completing a puzzle, labeling picture cards, sorting). When the first task was complete, the participant chose from the remaining tasks, and so on. For all three participants, activity choice produced substantial reductions in disruptive behaviors.

Activity choice is an easily implemented intervention that has been shown to increase compliance and reduce problem behavior without the loss of instructional time (Kern et al., 1998). It also includes choice-making opportunities for the consumer, which is often a habilitative goal with high social validity (Kern et al., 1998). There are a number of variables the practitioner must consider before selecting an activity choice intervention. First, activity choice may require up-front preparation of multiple sets of task materials from which the consumer can choose. Second, it is critical to ensure that the curricular ac-

tivities are appropriate to the consumer's existing skill repertoire before presenting choices. Third, activity choice is only effective with consumers with existing choice-making skills who can tolerate instruction. Finally, because giving a consumer a choice of activities is an antecedent intervention, there is no explicit plan for how to respond to problem behavior, should it occur. Therefore, combining activity choice with a consequence-based procedure such as differential reinforcement or extinction might further reduce problem behavior. We refer the reader to the Kern et al. (1998) literature review for additional information on implementing activity-choice interventions.

Curricular and Instructional Revision

Curricular and instructional revision involves assessing aspects of the curricular targets or instructional procedures that might be aversive for the learner and making alterations to attenuate or eliminate these features to abolish escape from instruction as an effective reinforcer. To maintain consistency with the research literature, curricular and instructional revision will henceforth be referred to as curricular revision. Some of the curricular variables that might establish escape from work as a negative reinforcer are tasks that are too difficult or too easy in relation to the learner's current repertoire (Dunlap, Kern-Dunlap, Clarke, & Robbins, 1991; Ferro, Foster-Johnson, & Dunlap, 1996; Kern, Childs, Dunlap, Clarke, & Falk, 1994; Roberts, Marshall, Nelson, & Albers, 2001), are non-preferred (Clarke et al., 1995), are novel (Mace, Browder, & Lin, 1987; Smith, Iwata, Goh, & Shore, 1995), or do not produce skills that are functional in the learner's environment (Dunlap, Foster-Johnson, Clarke, Kern, & Childs, 1995).

Dunlap et al. (1991) describe the use of curricular revision to reduce the problem behavior of a girl with mental retardation. The authors assessed the effects of four curricular variables on problem behavior: 1) fine- vs. gross-motor tasks, 2) short- vs. long-duration tasks, 3) arbitrary vs. functional tasks, and 4) activity choice vs. no choice. The assessment revealed that the participant exhibited higher rates of problem behavior and lower rates of on-task behavior when presented with fine-motor tasks, long-duration tasks, arbitrary tasks, and no activity choice. Curricular (e.g., increased functional tasks) and instructional revisions (e.g., short teaching durations) were then implemented and produced increases in on-task behavior and elimination of problem behavior.

Some of the instructional variables that might establish escape from work as a negative reinforcer include lengthy sessions (Dunlap et al., 1991; Kern et al., 1994; Smith et al., 1995), massed trials (McCurdy, Skinner, Grantham, Watson, & Hindman, 2001), certain prompting strategies (Munk & Repp, 1994), high rates of trial presentation (Smith et al.), and low rates of positive reinforcement (Smith & Iwata, 1997). Several studies have addressed the final concern (low reinforcement during instruction). For example, Lalli et al. (1999) showed that delivering positive reinforcers for compliance was more effective in reducing escape-maintained problem behavior than delivering breaks contingent on compliance, even when the problem behavior still produced escape from the

task. Similarly, Ingvarsson, Hanley, and Welter (2009) showed that the delivery of contingent and noncontingent positive reinforcers were each effective in reducing escape-maintained problem behavior. The fact that increased positive reinforcement during tasks minimizes escape-maintained problem behavior, even when contingent escape is still available (as in Lalli et al. and Ingvarsson et al.), suggests that this procedure might work to abolish the aversive properties of the tasks.

Curricular revision could result in improvements in teaching procedures or curriculum

assessment that not only benefit the target consumer, but could have beneficial effects on other consumers served in the environment. Additionally, improvements in teaching strategies and curricula create a more effective learning environment which can produce more efficient and effective skill acquisition while reducing and potentially preventing problem behavior. Furthermore, it is a behavior analyst's ethical responsibility to promote effective learning environments rather than teach individuals with disabilities to tolerate ineffective ones (Winett & Winkler, 1972). However, curricular revision requires someone with expertise to assess and change aspects of the curriculum or instructional strategy. Additionally, the time and effort required to assess and make changes can be of concern if it is important to eliminate problem behavior immediately. We refer the reader to a literature review by Dunlap and Kern (1996) for additional information on curricular revision.

Demand Fading

Demand fading (instructional or stimulus fading) involves the removal of all instructions, followed by their gradual reintroduction (Pace, Iwata, Cowdery, Andree, & McIntyre, 1993). Such demand removal eliminates the aversive tasks, which remain absent until they are systematically and gradually faded back in. For example, Pace et al. faded the frequency of tasks to decrease escape-maintained SIB of three individuals with developmental disabilities. The initial elimination of all tasks substantially reduced levels of SIB and they remained low as tasks were gradually reintroduced. It is important to note that demand fading works best when implemented with escape extinction (i.e., withholding the negative reinforcer when problem behavior reemerges during fading; Zarcone, Iwata, Smith, Mazaleski, & Lerman, 1994).

Because the first step of demand fading is the elimination of all instructions, there should be an immediate decrease in

problem behavior, which is a beneficial outcome for consumers who exhibit severe problem behavior or who are too large to physically prompt to comply with a task. In addition, because instructions are gradually reintroduced over time, demand fading might increase a consumer's tolerance of instructional activities. However, demand fading involves a loss of instructional time, which could be impractical due to the disruption of classroom activities or inadequate staffing to supervise the

It is a behavior analyst's ethical responsibility to promote effective learning environments rather than teach individuals with disabilities to tolerate ineffective ones

consumer while away from instruction. Also, fading in the instructions is often logistically difficult and requires the supervision of someone with expertise to oversee the process. We refer the reader to the empirical article by Zarcone et al. (1994) for additional information on demand fading.

Differential Reinforcement

Differential negative reinforcement of alternative behavior. Perhaps the most common procedural form of differential negative reinforcement of alternative behavior (DNRA) involves providing escape from instruction contingent on an alternative prosocial response (e.g., compliance) while placing problem behavior on extinction (Vollmer & Iwata, 1992). Differential negative reinforcement of alternative behavior can also be arranged by providing escape for an alternative response while punishing the problem behavior or by providing more valuable breaks (e.g., longer duration) for the alternative response and less valuable breaks for the problem behavior (Athens & Vollmer, in press).

Vollmer, Roane, Ringdahl, and Marcus (1999) implemented differential negative reinforcement of compliance (with problem behavior placed on extinction) to reduce the escape-maintained SIB and aggression of two children with mental retardation. For both children, DNRA reduced problem behavior and increased compliance. In addition, when DNRA was implemented with lower integrity (i.e., problem behavior occasionally produced escape), problem behavior remained low and compliance remained high as long as compliance was reinforced on a denser schedule of reinforcement than problem behavior.

Differential negative reinforcement of alternative behavior decreases problem behavior while actively targeting more adaptive skills and providing continued access to the functional reinforcer, escape. Further, there is evidence that DNRA can still be effective at reduced procedural integrity (Vollmer et al., 1999). However, DNRA requires the delivery of breaks immediately after the alternative response criterion is met, which might be disruptive to classroom activities or be impractical if there is inadequate staffing to supervise the consumer during the break. In addition, DNRA requires the supervision of someone with expertise to supervise schedule thinning for the alternative behavior. We refer the reader to the literature review by Vollmer and Iwata (1992) for additional information on DNRA.

In order to effectively reduce problem behavior, the communicative response, or mand for escape, should ideally require less response effort, have a denser schedule of reinforcement, and have a shorter delay to reinforcement than the problem behavior

Functional communication training. Functional communication training (FCT) is a form of DNRA that involves providing escape from instruction contingent on a communicative response (e.g., vocal, sign) as the specific prosocial behavior while problem behavior is placed on extinction (Durand & Merges, 2001) or is punished (Hanley, Piazza, Fisher, & Maglieri, 2005). In order to effectively reduce problem behavior, the communicative response, or mand for escape, should ideally require less response effort, have a denser schedule of reinforcement, and have a shorter delay to reinforcement than the problem behavior (Horner & Day, 1991). Researchers have reduced problem behavior by teaching mands for escape (Horner & Day) and for assistance (Carr & Durand, 1985). For example, Carr and Durand used FCT to reduce escape-maintained disruptive behavior (e.g., aggression, tantrums, screaming, SIB) of three children with developmental disabilities. The authors taught the participants the vocal response, "I don't understand," which was immediately followed by assistance on the task. Occurrences of disruptive behavior were followed by continued task presentation without assistance. For all three participants, FCT reduced disruptive behavior to near-zero levels.

Functional communication training decreases problem behavior while actively targeting a communication skill and providing continued access to escape. Moreover, research has demonstrated that some individuals prefer FCT over noncontingent reinforcement and extinction (Hanley, Piazza, Fisher, Contrucci, & Maglieri, 1997). However, FCT may result in high rates of the communicative response, which must immediately be followed by breaks from instruction. As with DNRA, delivering breaks contingent on the consumer's communicative responses can be logistically difficult to manage in some environments. Also as with DNRA, FCT sometimes requires the supervision of someone with expertise to oversee additional interventions to reduce high rates of the communicative response. We refer the reader to a literature review by Tiger, Hanley, and Bruzek (2008) for additional information on FCT.

Differential negative reinforcement of zero rates of responding. Differential negative reinforcement of zero rates of responding (DNRO) involves delivering escape when the problem behavior has not occurred for a specific period of time (Vollmer &

Iwata, 1992). The general suggestion is to use initial intervals that are shorter than the mean inter-response time of the problem behavior during baseline, giving the individual a high probability of contacting the programmed contingency (Deitz & Repp, 1983). A common feature of DNRO is interval resetting, by which occurrences of the problem behavior immediately reset the timer to zero seconds and a new interval begins (Vollmer & Iwata). Buckley and Newchok (2006) used DNRO to reduce problem behavior maintained by escape from music of a 7-year-old boy with pervasive developmental disorder. The DNRO

procedure decreased disruptive behavior to near-zero levels that were maintained as the interval duration was successfully increased to 5 min.

For problem behavior maintained by escape from instructional activities, DNRA (including FCT) is generally more preferred than DNRO because the former procedure includes a skill acquisition component (Vollmer & Iwata, 1992). Furthermore, DNRA has shown to be more effective than DNRO in reducing escape-maintained problem behavior (Roberts, Mace, & Daggett, 1995). Alternatively, DNRO may be more appropriate for increasing tolerance to an aversive activity (e.g., an invasive medical procedure) because breaks may not be permitted to be under the client's control, as they are in DNRA (Vollmer & Iwata).

One benefit of DNRO is that it provides continued access to breaks while increasing tolerance to aversive situations that are necessary, such as medical procedures. However, DNRO is labor intensive because it requires constant monitoring of the consumer for occurrences of problem behavior. In addition, providing breaks on dense schedules at treatment outset can be logistically difficult if they disrupt ongoing activities. Finally, DNRO requires the supervision of someone with expertise in establishing the DNRO intervals and monitoring the schedule thinning process. We refer the reader to the literature review by Vollmer and Iwata (1992) for additional information on DNRO.

Escape Extinction

Escape extinction involves the continued presentation of an aversive activity (e.g., instructional tasks) while eliminating the possibility of escape from the activity contingent on problem behavior (Iwata, Pace, Kalsher, Cowdery, & Cataldo, 1990). Iwata et al. implemented escape extinction with physical guidance to reduce the escape-maintained SIB of six children with mental retardation¹. For 5 of 6 participants, escape extinction with physical guidance reduced SIB to low levels and resulted in increased task compliance. For the sixth participant, escape extinction did not reduce SIB until response blocking was added. Further, Iwata, Pace, Cowdery, and Miltenberger (1994) showed that escape extinction was an effective treatment for escape-maintained SIB, but had no effect on SIB maintained by attention or automatic reinforcement. This finding underscores the importance of matching reductive treatments to the function of problem behavior.

The main benefit of escape extinction is that it can be combined with other treatments (e.g., activity choice, demand fading, DNRO) to enhance their effectiveness. However, escape extinction may not immediately decrease problem behavior and there is often a high degree of effort associated with implementing the procedure. Instructors are likely to implement escape extinction with lower treatment integrity than other procedures, which might make problem behavior more resistant to extinction in the future (McConnachie & Carr, 1997). Furthermore, extinction might result in a burst of responding that is at least as high as pretreatment rates and might evoke aggressive behavior, although these outcomes are not guaranteed (Lerman, Iwata, & Wallace, 1999). We refer the reader to literature reviews by Ducharme and Van Houten (1994) and Lerman and Iwata (1996) for additional information on escape extinction.

Noncontingent Escape

Noncontingent escape (NCE) involves the delivery of escape from instructional activities on a time-based schedule (e.g., fixed-time, variable-time), regardless of the individual's problem behavior (Kodak, Miltenberger, & Romanuik, 2003; Vollmer, Marcus, & Ringdahl, 1995). At the beginning of the procedure, escape is typically provided on a denser schedule than what the problem behavior typically produces (Carr & LeBlanc, 2006). After NCE is successful in reducing problem behavior, the reinforcement schedule is generally thinned to a more manageable value. For example, Vollmer et al. used NCE to reduce the escape-maintained SIB of two males with developmental disabilities and were able to thin the schedule of noncontingent (fixed time) breaks from 10 s to 2.5 min for one participant and to 10 min for the other. In addition, NCE and DNRO were compared with one of the participants and NCE resulted in quicker reductions in problem behavior.

One of the main benefits of NCE is that it immediately reduces problem behavior while continuing to provide the functional reinforcer (Vollmer et al., 1995). Additionally, because NCE is an antecedent intervention, it does not require the occurrence of problem behavior to be effective, and might even prevent problem behavior from occurring. Another potential benefit is that noncontingent reinforcement has been shown to be effective without extinction, which would make the intervention an option for when extinction is impractical (Lalli, Casey, & Kates, 1997). A potential concern with NCE is that the schedule of noncontingent breaks is quite dense at the beginning of intervention, which could be impractical or disruptive to the consumer's environment. Like other interventions that require schedule thinning, NCE requires the involvement of someone who can adequately calculate schedule values and oversee the thinning process. Another potential, but probably unlikely, concern is that noncontingent reinforcement has sometimes been shown to accidentally reinforce problem behavior (Vollmer, Ringdahl, Roane, & Marcus, 1997). In such an event, skipping or briefly delaying scheduled breaks that occur just after problem behavior should eliminate the problem. We refer the reader to the book chapters by Carr and LeBlanc (2006) and Vollmer and Wright (2003) for additional information on noncontingent escape.

Clinical Considerations and Decision Making

The clinical decision-making model described here is intended for use by individuals with experience with functional assessment and function-based treatment of problem behavior, instructional curricula, and effective teaching procedures. Seasoned practitioners who have strong influence over their clinical environments most likely have their own guides for selecting treatments. However, behavior analysts who have less control over clinical environments, such as those who consult or are newly in charge of the settings may find these recommendations useful.

Each of the treatments described in the previous section is empirically supported for the treatment of escape-maintained problem behavior. However, not every treatment is equally well-suited to a particular client or therapeutic environment. Identifying the function of problem behavior is a necessary precondition before selecting each of these interventions. Fortunately, there are numerous helpful resources for conducting a functional assessment (e.g., Carr, LeBlanc, & Love, 2008; Iwata & Dozier, 2008; Vollmer, Marcus, Ringdahl, & Roane, 1995). The next step in the process is equally important and involves consideration of specific characteristics of the client and therapeutic environment. Some important client characteristics to consider include the current skill repertoire, level of compliance, and severity and dangerousness of the problem behavior. Some important environmental factors to consider include the appropriateness of the curriculum and instruction, tolerance for disruption to others in the environment, staffing ratios, and the amount of available technical expertise.

¹Although Iwata et al. (1990) suggested that the physical guidance necessary to keep an individual from escaping an instructional situation may constitute a form of punishment, the response reductions that typically occur under such procedures share characteristics of those associated with extinction (e.g., response bursts, gradual reductions; Iwata, Pace, Cowdery et al., 1994).

Table. Strengths and potential limitations of treatments for escape-maintained problem behavior.

Treatment Description		Strengths	Potential Limitations			
Activity Choice	Offer a choice among selected tasks	 Might prevent problem behavior No lost instruction time Provides choice-making opportunities Increased compliance 	 No programmed consequence for problem behavior Requires preparation of additional instructional materials Requires choice-making skills Requires an appropriate curriculum be in place Requires learners who can tolerate some instruction 			
Curricular and Instructional Revision	Change curricular targets or instructional procedures	 Results in improvements in teaching Might benefit other learners in the environment Might produce more efficient and effective skill acquisition Might prevent problem behavior 	 Requires time, effort, and expertise to change curriculum/instruction No programmed consequence for problem behavior 			
Demand Fading	Remove all demands, then gradually reintroduce them over time; include escape extinction	 Immediately reduces problem behavior The first step of the intervention (demand removal) is often already done Might prevent problem behavior Might increase tolerance of instruction A good match for dangerous behavior and large clients 	 Gradually fading in demands might be logistically difficult Requires expertise to establish and oversee the fading process Periods of non-instruction could be disruptive to classroom activities 			
Differential Negative Reinforcement of Alternative Behavior	Provide a break from work after a new, alternative behavior and place the problem be- havior on extinction (see text for other variations)	 Actively targets new skills or increases existing ones Provides continued access to escape throughout the intervention May be used without extinction 	 Periods of non-instruction could be disruptive to classroom activities Requires expertise to establish and oversee schedule thinning process 			
Differential Negative Reinforcement of Zero Rates of Behavior	Provide a break from work if the problem be- havior has not occurred for a specified amount of time and place the problem behavior on extinction	 Provides continued access to escape throughout the intervention Useful for increasing tolerance of neces- sary, but aversive, stimuli 	 Requires constant monitoring for occurrences of problem behavior Periods of non-instruction could be disruptive to classroom activities Requires expertise to establish and oversee schedule thinning process 			
Extinction	Do not provide a break from work contingent on problem behavior; continue presenting the task regardless of problem behavior	 Provides a contingency for problem behavior Compatible with other treatments to enhance their effectiveness 	 High response effort of implementation Might produce a response burst or aggression Might make behavior more resistant to extinction without strong treatment integrity Does not result in immediate response suppression 			
Functional Communication Training	Provide a break from work for a new, com- municative response and place the problem behavior on extinction (or punishment)	 Actively targets new skills or increases existing ones Provides continued access to escape throughout the intervention Preferred by some individuals over NCE and extinction May be used without extinction 	 May result in high rates of the communicative response Does not result in immediate response suppression Periods of non-instruction could be disruptive to classroom activities Requires expertise to establish and oversee schedule thinning process 			
Noncontingent Escape	Provide breaks from work on a time-based schedule, irrespective of problem behavior	 Provides continued access to escape throughout the intervention Immediately reduces problem behavior Might prevent problem behavior May be used without extinction 	 May produce adventitious reinforcement of problem behavior Periods of non-instruction could be disruptive to classroom activities Requires expertise to establish and oversee schedule thinning process 			

The Table summarizes the important strengths and potential limitations of each treatment. Consider the example of NCE. For clients with very dangerous behavior, NCE is a promising option because it frequently produces immediate reductions in problem behavior, particularly when the schedule is nearly continuous. In addition, NCE can be implemented with or without extinction, making this treatment a good match for environments that are unable or unwilling to implement escape extinction. However, minimal instruction occurs during NCE, particularly at the onset of the treatment, and expertise is required to effectively guide the schedule thinning process. In addition, no new skill is explicitly targeted, which may be a concern for clients who need to develop functional communication repertoires but may not be a concern for clients who already have those repertoires.

A Clinical Model for Optimal Treatment Selection

It may be challenging for practitioners to simultaneously consider all of the relevant client and environment variables that should impact treatment selection. One solution to this challenge is to prioritize the clinical considerations and follow a specific model in decision-making. The Figure illustrates a clinical model for sequentially asking and answering questions that will lead to differential treatment selection. The ordering of the questions is based on ethical responsibilities, safety and practical considerations, and organizational issues. Each time a question is answered negatively, 1 or 2 treatments become the optimal options. The earlier in the framework a question is answered affirmatively, the more possible treatments there are from which to choose. Refer to the Table for a comparison of the strengths and potential limitations of each treatment when deciding between multiple options. Extinction in isolation is presented as an optimal alternative in one area of the model; however, several of the procedures (noted with an asterisk in the Figure) can be implemented with or without extinction depending on the constraints of the clinical situation. If clinical progress turns a "no" response into a "yes" response, but some degree of problem behavior remains, return to the clinical model. For example, if implementation of NCE or demand fading after negatively answering question 3 produces some level of compliance, you may have the option of continuing with questions 4 and 5 in the model.

The first question about the appropriateness of the curriculum and instructional procedures is important for two reasons. First, it speaks to the behavior analyst's ethical responsibility to promote effective learning environments rather than teaching individuals with disabilities to tolerate ineffective ones (Winett & Winkler, 1972). Second, improving curricular and instructional procedures is a practical way to directly address the escape contingency by abolishing the reinforcing value of escape. When clients are presented with tasks that are far above their current capabilities or are exposed to ineffective prompting strategies, learning environments are typically aversive. The most direct way to address the problem would be to teach the relevant pre-requisite skills before advanced skills and to use more effective instructional strategies, thus abolishing escape as a negative reinforcer. Such changes should enhance learning in addition to decreasing problem behavior. The practitioner will only need to progress to the next step in the model if the curriculum and instruction are appropriate, if curriculum/instructional revision fails to produce adequate treatment effects, or if influence over these variables is not currently possible.

The second question about behavioral severity and environmental tolerance for the behavior speaks to the need to determine if there must be an immediate suppression of problem behavior during treatment. Several scenarios may make it imperative that no or few problem behaviors occur at the onset of treatment. Those in the therapeutic environment may be unwilling or unable to allow a single instance of problem behavior or may insist on termination of services if even one more instance of problem behavior occurs. This situation is most likely to occur when the client is considered difficult to physically manage (e.g., a large, aggressive client), the behavior would produce unacceptable danger to the client (e.g., severe SIB, elopement), or if the behavior is socially offensive (e.g., public disrobing, sexual misbehavior). In these circumstances, providers often have already eliminated all demands in an effort to avoid problem behavior.

The aforementioned circumstances drastically limit the number of optimal treatments because certain treatments that might eventually prove effective often do not produce immediate suppression of problem behavior (e.g., extinction, FCT) and might represent a sudden reintroduction of demands into the environment (e.g., FCT, activity choice). On the other hand, demand fading and NCE immediately abolish the reinforcing value of escape and, thus, are typically associated with rapid reductions in problem behavior. In addition, these two treatments can be implemented without extinction, and stakeholders with a low tolerance for problem behavior are likely to also have little tolerance for implementation of escape extinction procedures. Consider demand fading and NCE as the optimal starting point under these circumstances. As treatment gains are made, it may become possible to consider other treatment options as an alternative or supplement and the next questions in the model can guide your selection at that time.

Third, the practitioner should consider the client's current rate of compliance with instructions. If virtually no instructions are met with compliance, demand fading and NCE are still attractive options because their early phases include few instructions with the client gradually encountering more as treatment progresses. Both of these procedures could be implemented with or without extinction depending on the environment's tolerance of escape extinction. Because the curriculum and instructional practices have already been deemed appropriate or have been revised to be appropriate, the client will presumably come into contact with sufficient reinforcement and effective prompting strategies for any newly occurring instances of compliance. Without the prior curriculum and instructional revision (i.e., question 1 in the model), it is unreasonable to expect sustained improvements in compliance and problem

Functional Assessment Indicates Problem Behavior is Maintained by Escape from Demands

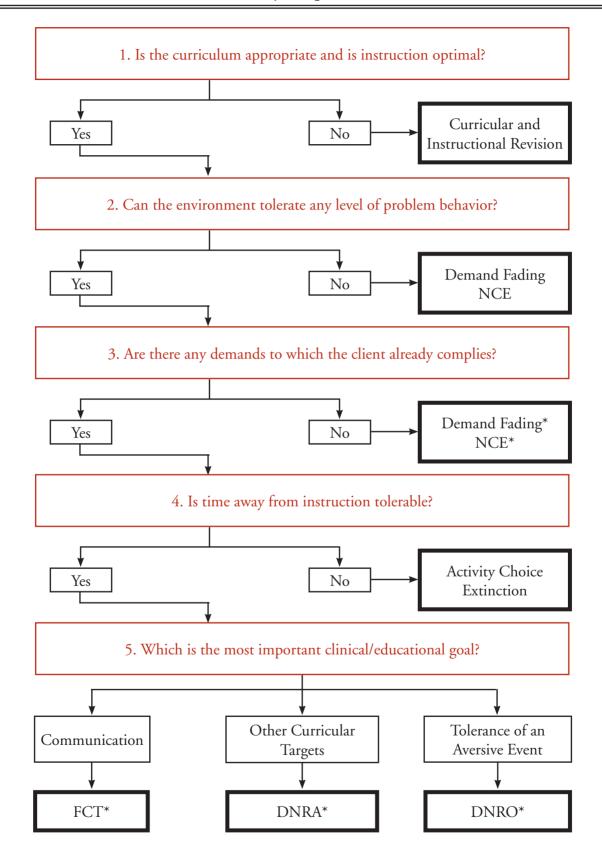


Figure. A model for selecting function-based treatments for escape-maintained problem behavior. Note: *Consider including extinction if viable; DNRA = differential negative reinforcement of alternative behavior, DNRO = differential negative reinforcement of zero rates of behavior, FCT = functional communication training, NCE = noncontingent escape.

behavior as instructional periods are increased. Other excellent treatments that involve a direct instructional component (e.g., FCT) or a requirement of compliance from the outset (e.g., DRA) are less optimal initially but might become viable when compliance becomes more reliable.

Next, the practitioner should consider whether time away from instruction is tolerable. Some of the common concerns with breaks from instruction include logistical difficulties associated with supervision of a learner away from the main learner group, stigma or fairness problems associated with one person getting a break while others do not, and loss of instructional opportunities when break schedules are dense. It may be possible to discuss alternatives that would mitigate implementer concerns while increasing the number of potential treatment options. For example, in an inclusive or general education environment, the first two concerns could be mitigated if the student were to remain at his/her desk while having a brief break from instruction (e.g., brief use of headphones during lecture). If you are unable to mitigate the concerns, the optimal treatments are activity choice, extinction, and DNRA with extinction. When the option of choosing seems highly preferred by the learner, activity choice is a good option and it may be combined with other treatments such as DNRA or NCE. However, it has the drawback of requiring preparation of additional materials for the learner's selection. Extinction has the advantage of directly addressing the contingency for problem behavior but the drawbacks of potential extinction-related side effects and high response effort of implementation.

The final question prompts the practitioner to choose the most pressing clinical or educational goal for the client and to select an optimal treatment accordingly. When a client does not have a meaningful communication repertoire, the optimal treatment is FCT because this treatment establishes a mand response that allows the client to synchronize breaks with his or her own motivating operations. If the client already has communication skills that would allow him to request a break, then consider targeting other important curricular areas (e.g., language, mathematics). When establishing the criterion to earn a break, remember that you can target one of many important dimensions of responding such as compliance or accuracy by providing breaks contingent on performance (i.e., DNRA). When the presenting problem involves an aversive event that has to occur for the client's well-being (e.g., medical procedures) rather than skill acquisition, DNRO presents an appealing option for producing tolerance to these events and should be initially implemented with the breaks occurring based on very brief intervals.

Conclusion

A number of effective treatments for escape-maintained behaviors have been developed and each has characteristics that make it optimal for certain environments and clients and less optimal for others. The present article summarizes the most commonly researched function-based treatments for escapemaintained behavior and the clinical contexts for which they are most appropriate. In addition, we provide a clinical model for selecting function-based treatments based on client characteristics and the constraints of the therapeutic environment.

Our model is based on selecting a single optimal intervention at a time, which is advisable when the behavior analyst needs to train providers to proficiency and ensure high treatment fidelity. However, one treatment may sometimes enhance the effects of another. For example, providing activity choice or adding an extinction contingency may enhance the effects of any of the other treatments (e.g., DNRA, FCT, NCE). However, the behavior analyst should consider whether the response effort associated with implementing additional treatment components is likely to produce fatigue or poor treatment integrity. One particular treatment combination to avoid is NCE combined with FCT because research indicates that NCE interferes with acquisition of the communication response, at least when the NCE schedule is rich (Goh, Iwata, & DeLeon, 2000). However, these two treatments might be implemented sequentially. In our model, a practitioner might initially select NCE as an optimal treatment (at questions 2 and 3) and elect to target a functional communication response after NCE has been successfully discontinued or the schedule has been thinned.

We have attempted to integrate the findings from a large experimental literature on treatments for escape-maintained problem behavior into a decision-making framework for practicing behavior analysts. Although the model is based on the empirical literature, our clinical experience guided the ordering of the questions and the determination of the appropriateness and usefulness of treatments at different decision points. We have no experimental evidence that this particular model is more effective than any alternative, but it is a logical framework for the practitioner seeking guidance in treatment selection that could be experimentally validated in future research.

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Address correspondence to James E. Carr, Department of Psychology, 226 Thach Hall, Auburn University, AL 36849-5214 (e-mail: carr@auburn.edu).

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Motivation Assessment Scale

1986 V. Mark Durand, Ph.D.

Name	Rater	
Date		
Behavior Description		
Setting Description		
-	_	
	1	

Instructions: The Motivation Assessment Scale is a questionnaire designed to identify those situations in which an individual is likely to behavior in certain ways. From this information, more informed decisions can be made concerning the selection of appropriate reinforcers and treatments. To complete the MAS, select one behavior that is of particular interest. It is important that you identify the behavior very specifically. "Aggressive", for example, is not as good a description as "hits his sister". Once you have specified the behavior to be rated, read each question carefully and circle the one number that best describes your observations

of this behavior.

0=Never, 1=Almost Never, 2=Seldom, 3=Half the Time, 4=Usually,

5=Almost Always, 6=Always

Questions	Γ		A	nsw	ers		
1. Would the behavior occur continuously, over and over, if this person were left alone for long periods of time? (For example, several hours)	0	1	2	3	4	5	6
2. Does the behavior occur following a request to perform a difficult task?	0	1	2	3	4	5	6
3. Does the behavior seem to occur in response to you talking to other persons in the room?	0	1	2	3	4	5	6
4. Does the behavior ever occur to get a toy, food, or activity that this person has been told that he or she can't have?	0	1	2	3	4	5	6
 Would the behavior occur repeatedly, in the same way, for very long periods of time, if no one were around? (For example, rocking back and forth for over an hour.) 	0	1	2	3	4	5	6
6. Does the behavior occur when any request is made of this person?	0	1	2	3	4	5	6
7. Does the behavior occur whenever you stop attending to this person?	0	1	2	3	4	5	6
8. Does the behavior occur when you take away a favorite toy, food, or activity?	0	1	2	3	4	5	6
 Does it appear to you that this person enjoys performing the behavior? (It feels, tastes, looks, smells, and/or sounds pleasing.) 	0	1	2	3	4	5	6
10. Does this person seem to do the behavior to upset or annoy you when you are trying to get him or her to do what you ask?	0	1	2	3	4	5	6
11. Does this person seem to do the behavior to upset or annoy you when you are not paying attention to him or her? (For example, if you are sitting in a separate room, interacting with another person.)	0	1	2	3	4	5	6
12. Does the behavior stop occurring shortly after you give this person the toy, food, or activity he or she has requested?	0	1	2	3	4	5	6
13. When the behavior is occurring, does this person seem calm and unaware of anything else going on around him or her?	0	1	2	3	4	5	6
14. Does the behavior stop occurring shortly after (one to five minutes) you stop working or making demands of this person?	0	1	2	3	4	5	6
15. Does this person seem to do the behavior to get you to spend some time with him or her?	0	1	2	3	4	5	6
16. Does the behavior seem to occur when this person has been told that he or she can't do something he or she had wanted to do?	0	1	2	3	4	5	6

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	Sensory	Escape	Attention	Tangible
	1	2	3	4
	5	6	7	8
	9	10	11	12
	13	14	15	16
Total Score =			······································	
Mean Score = (divide the total score by 4)				
Relative Ranking (high score to low score)	·			

If there is a tie for the highest score or if the means of the top two categories are within .25 to .50 points (and you have clearly specified the behaviour and setting), then both are considered as influences that may be causing the problem behaviour to continue.

QUESTIONS ABOUT BEHAVIORAL FUNCTION (QABF)

Paclawskyj et al (2000)

Rate how often the student demonstrates the behaviors in situations where they might occur. Be sure to rate how often each behavior occurs, not what you think a good answer would be.

Score	Number	Behavior							
	1.	Engages in the behavior to get attention.							
	2.	Engages in the behavior to escape work or learning situations.							
	3.	Engages in the behavior as a form of "self-stimulation".							
	4.	Engages in the behavior because he/she is in pain.							
	5.	Engages in the beh	avior to get access to ite	ms suc	h as preferred toys	, food, (or beverages.		
	6.	Engages in the beh	avior because he/she lik	es to b	e reprimanded.		•		
	7.	Engages in the beh	avior when asked to do a	someth	ing (get dressed, b	rush tee	eth, work, etc.		
	8,	Engages in the beh	avior even if he/she thin	(ș no o	ne is in the room.				
Υ.	9.	Engages in the beh	avior more frequently wh	en he/	she is ill.				
	10.	Engages in the beh	avior when you take son	nething	away from him/her				
	11.	Engages in the beh	avior to draw attention to	himse	lf/herself.	2			
	12.	Engages in the beh	avior when he/she does	not wa	nt to do something.		a į		
	13.	Engages in the beh	avior because there is n	othing e	else to do.	о 11			
	14,	Engages in the beh	avior when there is some	ething b	othering him/her p	hysicali	у.		
	15.	Engages in the beh	avior when you have sor	nething	that he/she wants	•.			
	16.	Engages in the beh	avior to try to get a react	ion fror	n you.	1 3			
	17.	Engages in the beh	avior to try to get people	to leav	e him/her alone.	•			
	18.	Engages in the beh	avior in a highly repetitiv	e mann	er, Ignoring his/hei	r surrou	ndings.		
	• 19,	Engages in the beh	ages in the behavior because he/she is physically uncomfortable.						
	20.			as something that he/she wants.					
	21.	Does he/she seem	m to be saying, "come see me" or "look at me" when engaging in the behavior				ng in the behavlor?		
	22.				one" or "stop asking me to do this" when engaging in the				
	23.	Does he/she seem to enjoy the behavior, even if no one is around?							
	24.	Does the behavior	or seem to indicate to you that he/she is not feeling well?						
	25.		Does he/she seem to be saying, "give me that (toy, food, item)" when engaging in the behavior						
Atten	ntion	Escape	Non-social		Physical		Tangible		
. Attention		2. Escape	3. Self-stim		4. In pain		5. Access to items		
. Reprimand		7. Do something	8. Thinks alone		9. When ill		10. Takes away		
1. Draws	1.	12. Not do	13. Nothing to do		14. Physical problem		15. You have		
6. Reaction		17. Alone	18. Repetitive		19. Uncomfortable		20. Peer has		
1. "Come se	e"	22. "Leave alone"	23. Enjoy by self		24. Not feeling well		25. "Give me that"		
otal		Total	Total		Total		Total		

X = Doesn't apply 0 = Never 1 = Rarely 2 - Some 3 = Often

QABF Scoring

Attention

1. Engages in the behavior to get attention.

6. Engages in the behavior because he/she likes to be reprimanded.

11. Engages in the behavior to draw attention to him/herself.

16. Engages in the behavior to try to get a reaction from you.

21. Does he/she seem to be saying "come see me" or "look at me" when engaging in the behavior?

Escape

2. Engages in the behavior to escape work or learning situations.

7. Engages in the behavior when asked to do something (brush teeth, work, etc.)

12. Engages in the behavior when he/she does not want to do something.

17. Engages in the behavior to try to get people to leave him/her alone.

22. Does he/she seem to be saying "leave me alone" or "stop asking me to do this" when engaging in the behavior?

Non-social

3. Engages in the behavior as a form of "self-stimulation".

8. Engages in the behavior even if he/she thinks no one is in the room.

13. Engages in the behavior because there is nothing else to do.

18. Engages in the behavior in a highly repetitive manner, ignoring this/her surroundings.

23. Does he/she seem to enjoy the behavior, even if no one is around?

Physical

4. Engages in the behavior because he/she is in pain.

9. Engages in the behavior more frequently when he/she is ill.

14. Engages in the behavior when there is something bothering her/him physically.

19. Engages in the behavior because she/he is physically uncomfortable.

24. Does the behavior seem to indicate to you that he/she is not feeling well?

Tangible

5. Engages in the behavior to get access to items such as preferred toys, food or beverages.

10. Engages in the behavior when you take something away from him/her.

15. Engages in the behavior when you have something he/she wants.

20. Engages in the behavior when a peer has something he/she wants.

25. Does he/she seem to be saying "give me that (toy, item, food)" when engaging in the behavior?

Attention 1. attention 5. reprimand 11. draws 16. reaction 21. "come see"	Escape 2. escape 7. do something 12. not do 17. alone 22. "leave alone"	Non-social 3. self stim 8. thinks alone 13. nothing to do 18. repetitive 23. enjoy by self	Physical 4. in pain 9. when ill 14. physical prob 19. uncomfortable 24.not feel well	Tangible 5. access to items 10. take away 15. you have 20. peers has 25. "give me that"
0	· 0	0	0	00
1	. 1	1	1	1
2	2	2	2	2
3	. 3	3	3	3
. 4	. 4	4	4	4
5	. 5	5	5	5
6	6	. 6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	. 9	9	9
10	10	10	10	10
11	· 11	11	11	11
12	12	12	12	12
13	13	13 .	13	13
. 14	14	14	14	14
15	15	15	• 15	15

Date: 1/23/06, Rev.A