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Setting the Stage for Success: Effective Strategies to Support Behavior and Learning in students with SMS

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#### What is Applied Behavior Analysis?

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

BEHAVIORAL – interventions are based on behavioral principles

ANALYSIS-therapeutic decisions are based on ongoing data collection

**ABA** is not

ABA is not just for students with autism spectrum disorder ABA is not one program

ABA is not just for schools or therapy settings ABA is not discrete trial training (DTT)

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#### Behavior is not all bad!



#### **Behaviors**

- · Point to object or picture
- Help teacher take attendance
- Hand a picture to adult
- Follow directions
- Wash hands
- Hold up toy to show
- Sign "help"
- Sing a song

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- Scream or yell or cry
- Head bang
- · Destroy materials
- Picking fingernails
- Push away itemsRun away
- Grab items
- · Throw self to ground

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#### **Behavior**

- · Behavior is:
  - CAUSED
  - OBSERVABLE (recordable)
  - COMMUNICATION
  - SERVES A FUNCTION (why)

**Challenging or Problem Behavior** 

- · Function is not usually the problem
- · Same behavior may have several functions
- · Interferes with learning new skills
- · Socially isolates the learner

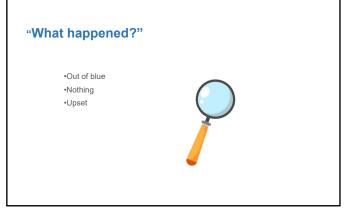
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## **Functions of Behavior** Gain Attention Objects Activity Sensory

**Functions of Behavior** Escape/Avoidance Attention Objects Activity Sensory

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Identify and Define

Clearly define the behavior of concern – what does it look like?

Interview caregivers, family and staff
Slart with a hypothesis of function of the behavior(s) and what is maintaining the behavior consequence.

Direct observation and data collection and analysis Difect Observations and Control of Plan provide
 Strategies to prevent or antecedent strategies
 Strategies for alternative/replacement behaviors
 Consequences that will not maintain inappropriate behaviors
 Input for individualized educational plan (IEP)
 Input for Positive Behavior Support plan (BSP)
 Input for Behavior Intervention Plan (BIP) or Treatment Plans
Onnoine Process

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#### Follow up to FBA

- Additional evaluations that may be helpful to the team in their planning e.g., AAC
- Medical treatment for conditions that are antecedents, e.g., sleep apnea, constipation
- Need to identify positive reinforcers conduct preference assessment
- Environmental accommodations
- Data collection tools, analysis and revisions

#### The ABCs Of Behavior

ANTECEDENTS

BEHAVIOR

CONSEQUENCE

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#### A-B-C's of Behavior

Antecedents – setting events

- What happened immediately before the behavior(s)?
- What triggered the behavior (s)?
  - Person, place, activity, sound, smell, request, direction
- Is the person hungry, thirsty, in pain, or fatigued?

### A-B-C's of Behavior

Behavior or the response

- · Observable, recordable
- · Collect data make decisions

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### A-B-C's of Behavior

Consequences

- What happened after the behavior
- Includes corrective feedback
  - "Right" "Good Job"..
  - "No" "Wrong" "It isn't..."

#### Consequences

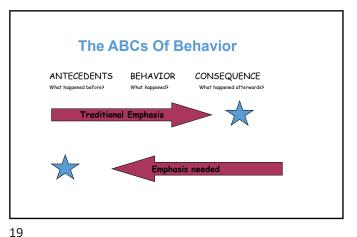
Consequences are not all bad!

Consequences occur after the behavior

What happens after the behavior effects the future occurrence of behavior



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#### **Positive Characteristics**

- Engaging and endearing
- · Appreciative of attention
- · Eager to please
- · Sense of humor

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- · Communicative
- · Responsive to structure & routine
- · Motivated by variety of reinforcers
- Triggers for outbursts and aggression can often be identified
- · Interruption of behavioral chains is sometimes successful

#### **Challenging Characteristics**

- Self-injurious behaviors Hand biting, head banging, picking at finger/toenails, skin picking, inserting objects into nose, ears, etc.
- · Attention-seeking behaviors
- · Attention span
- · Aggressive hugging of others
- Impulsivity
- · Over reactivity
- Emotional volatility
- Anxiety
- · Sleep disturbance

#### Characteristics that can go either way

Remorse: person may prolong remorsefulness to gain

Visual learners: may become distracted by visual stimuli; visual impairment is common

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#### **Common Triggers**

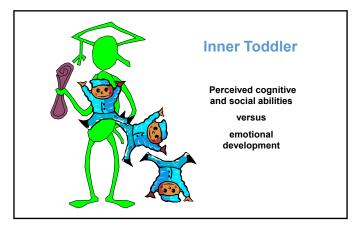
- · Fine motor tasks
- Waiting
- Rushing
- Transitions
- · Lack of clear expectations
- Highly-charged emotional atmosphere

#### **Common Triggers**

- · Competition for attention
- · Shared attention
- · Preferred adult giving attention to another
- · Seeing people out of context

#### "Emotional Toddlerhood" in SMS

- · Emotional volatility
- · Low frustration tolerance
- · Prone to tantrums / outbursts
- · Attention-seeking
- · Adult-oriented
- Distractible
- Reactive
- · Multi-sensory learners



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#### **Developmental asynchrony**

- disparity between intellectual and socio-emotional development
- described in highly gifted children; not well researched in people with intellectual disabilities
- parallel phenomenon observed in people with SMS
- significant contributor to maladaptive behaviors in SMS

#### **Keys to success**

- communication, staff training about developmental asynchrony
- acknowledging developmental asynchrony does NOT mean treating older individual with SMS like a young child
- individualized service plan should incorporate relevant approaches in early childhood education, even in older children and adults

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EARLY CHILDHOOD EDUCATION APPROACH

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AGE / IQ-APPROPRIATE GOALS AND ACTIVITIES

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SUCCESS FOR OLDER CHILDREN, ADOLESCENTS, AND ADULTS!

#### Early childhood approach grown up!

- use of day planner with post-its; computer-based schedule; email/ phone reminders
- "smorgasbord" of school, work, volunteer, and recreational activities of relatively short duration
- emphasis on hands-on, functional aspects of curriculum/work schedule
- · vary work/school activities throughout the day
- · vary work/school environment throughout the day
- one-to-one support as needed

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### **Consequent Strategies for challenging behaviors**

- REACTIVE
- Behavior-
  - · occurred and practiced
- Individual has not learned a replacement
- Behavior interferes with all learning



#### **Antecedent Strategies**



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## **Antecedent Strategies Advantages**

- Parent/staff control the opportunities
- · Less disruptive
- · Acquire skills
- · Interrupt behavior chains



#### **Strategies - Special Considerations**

- Can you ignore the behavior?
- Is there potential harm to student, classmate & staff?
- Do you have the resources?
- Can you remove attention from the student?
- Can you provide safety to individual, staff and others?
- Will you possibly have to give attention if aggression or self-injury becomes severe?
- Are you teaching anything else during this procedure?
- Is it sustainable and able to be implemented in natural settings?

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#### What can you do to set up success?

#### Control

- · Your behavior
- Schedule
- Reinforcers
- · Reinforcement schedule
- Materials available
- Seating arrangements
- Planned breaks
- Response to appropriate break request
- · Classroom environment
- Staff
- · Structure and Routine



### Staff

Staff need to:

- be on their "A" game
- •be emotionally neutral
- · avoid power struggles
- be comfortable with close proximity
- be versatile but not volatile
- be creative
- think on their feet
- have a good sense of humor!

#### Setting

- · Close Staff: Student ratio
- Many students also need a 1:1
- · Natural breaks in schedule
- · Structure and routine
- · Many planned highly motivating activities
- Good communication among staff
- Staff training/consistency of approach

#### **Classroom environment**

Elementary classroom

High School Classroom





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#### Strategies - Often successful

Redirection and distraction Interrupt behavior chains Transition warnings

Handshakes, not hugs

**Strategies - Often Successful** 

High interest materials

"Structured novelty"

Mixed and varied level of activities

Humor

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#### Reinforcement



#### Strategies - Often successful

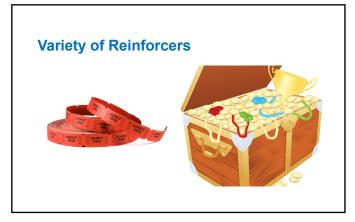
Choice (highly individual)

Variety of reinforcers

Overlapping positive behavior systems

Opportunities to help

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#### Strategies - Often successful

Individualized schedule

Individualized behavior chart

Visual reminders

Planned breaks

Opportunities to request breaks

Preferential seating

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# Visual supports – Schedules





#### **Strategies – Often unsuccessful**

Time-out in classroom

Isolating the student in a room

Teacher or aide getting visibly upset or raising voice

Ignoring the student rather than distracting, redirecting, or engaging

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#### Strategies - Often unsuccessful

Counseling, coaxing, touching the student during an outburst Counseling after the fact

Physical restraint during an outburst, except when necessary to avoid injury to self or others



#### **Setting the Stage**

Prevention vs. Intervention Emphasis Proactive vs. Reactive Emphasis Antecedent vs. Consequence emphasis

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#### **Strategy Selection**



Learn a new skill

Increase behavior

Decrease behavior

Honor the function

Cannot honor the function

#### **Frequently noted Challenging Behaviors**

- · Moving within a school building
- · Removal of clothing
- · Property destruction
- Elopement
- Transitions
- · Unsafe bus behavior
- · Task completion
- · Attention on Task

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## **Antecedent Strategies Task Completion**

Strategies

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Target (increase)

Task completion

- "Which one do you want to do first?"
- "You will play on the computer after you  $\ldots$  "
- · Visual schedules/Timers
- · Adult Attention
  - Proximity
  - CollaborationPreferred adult places demands
- High Probability
- "Feed the class pet \_\_\_\_\_, an put away your backpack"
- 80% easy/20% hard tasks
- Reinforce task completion

# **Antecedent Strategies Move within building**

Target

Moving within the building or down the hallways

Strategies

- Visual Schedule (actual items, pictures, photos along with printed words)
- Preferred items or fidget toys as distractors (individual basis)
- Create jobs e.g., assistant to bus monitor, mail delivery, attendance
- Adult support
  - Speak in low volume, engage
  - Block inappropriate behaviors, e.g., ripping down bulletin boards
- · Video model

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#### Remember

- Attention is Attention
- Distraction and redirection are effective tools
- Motivating activities and adult attention/support often prevent behavioral outbursts
- Schedules and visual supports are essential
- · Avoid power struggles
- It's not always what you say but how you say it
- Don't underestimate the value of calm
- Control what you can

Thank you.

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