Evidence-Based Behavioral Interventions that Match the Needs of Your Students:

Strategies for Students, Classrooms, and School

> Kevin J. Filter, Ph.D. Professor of School Psychology

My Background









My Background



- Assistant in the rat lab as a psychology undergrad
- Master's degree in clinical psychology with a behavioral focus
- Ph.D. from University of Oregon
- Professor of School Psychology at Minnesota State University
- PBIS trainer and team leader





Today's topics

- Overview of basic principles
- Interventions across levels of need
 - Student-level
 - Classroom-level
 - Targeted at-risk group
 School-wide

Theme for the Day: EVIDENCE-BASED

Published Experimental Research

- Peer-reviewed
- Quality controls for data, design, and interpretation
- Sometimes difficult to find

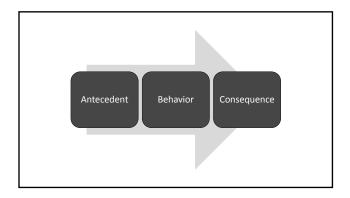
Local Evidence

- Evidence that something works with your students
- Often selected based on published research
- · Can foster innovation

Basic Principles of Behavior

Behavior Function

- All behavior serves a purpose
- Controlled by what comes before and after
- Our job is to figure out the controlling variables so that we can match students to interventions



EXAMPLE: Skipping Class



Callie skips chemistry two or three days per week.

Why?

- She's unmotivated
- She doesn't care about her education
- She's a bad student

Proctional Schoolsed Assessment

Callie: Other possibilities

- She has to meet her drug dealer at an off-site location (Function: obtain sensory stimulation)
- She hates chemistry and doesn't understand it (Function: escape difficult task)
- Her friends all have free study hall at that time and gather at the pizza place in town (Function: obtain peer attention)

What's the point?

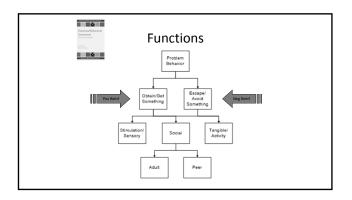


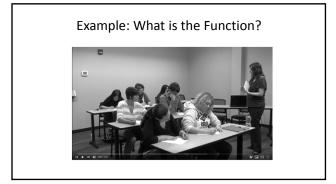
- Knowing WHY somebody does something isn't easy
 - Social psychology fact: We default to "internal" explanations for the behavior of others because it's easy
 - · Clumsy, mean, dumb, unmotivated
- People do things for a PURPOSE
 - All behaviors have consequences and those consequences affect the behavior in the future
- WHAT a person does doesn't tell us WHY they do it

The power of **FUNCTION**

When we know that the things that come **before** and **after** a behavior actually **CAUSE** the behavior, then we have the power to **CHANGE** the behavior.







Discussion

How can we determine a student's behavior function?

As a teacher?

As a team?

Basic Intervention Logic

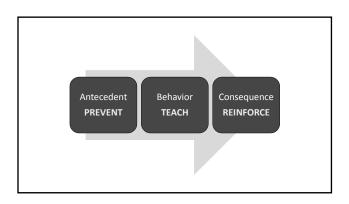
Prevent, Teach, and Reinforce

Decision #1: Can't Do or Won't Do

- Can't Do = Skill Deficit
 - No amount of reinforcement can make it happen
 - ANALOGY: Why won't the rat press the lever?
 - SOLUTION: Behavioral Skills Instruction



- Student CAN act better, but misbehavior is more satisfying
- SOLUTION: Antecedent and Consequence Interventions



Changing what comes before behavior

- Setting Events
 - Examples: illness, medication use, recent altercation. conflict at home, lack of attention
- - Examples: aversive tasks, demands, transitions, reprimands, seeing others get attention
- EXAMPLE SOLUTIONS:
 - Non-contingent reinforcement
 - Altering tasks
 - Prompts for expected behavior

Teach Expected Behavior

• Focus on BEHAVIORAL SKILLS TRAINING

- Describe
- Demonstrate
- Practice
- Feedback

Behavior TEACH

Reinforce Expected Behavior (and ignore problem behavior)

Consequence REINFORCE

Antecedent

PREVENT

- - Provide the reinforcer that has maintained problem behavior only for expected behavior
 - EXAMPLE: Student misbehaves to escape a task, allow them to escape only if demonstrating expected behavior
- - Ignore problem behavior (don't provide reinforcer)
 - EXAMPLE: If student yells to get teacher attention, teacher delivers BRIEF reminder of appropriate ways to get attention

Kahoot! Behavior Basics Quiz

Student-Level Interventions

Multiple quick strategies for kids with behavior concerns

Positive Reinforcement Strategies

- Differential Reinforcement
 - Provide reinforcer ONLY for expected behavior

 - Ignore problem behavior is possible
 Option 1: Reinforce when GOOD BEHAVIOR occurs Option 2: Reinforce when NO PROBLEM BEHAVIOR occurs

 - - Reinforcer = Adult Attention
 - Reinforcer = Peer Attention

Positive Reinforcement Strategies

4:1? 3:1? 8:1? Let's just start with MORE positive

• Positive-to-Negative Interaction Ratio

- The problem: The squeaky wheel gets the grease
- The reality: Students behavior well more often than they behave badly, we just don't often notice (i.e., good behavior isn't squeaky, so we don't
- The solution: CATCH 'EM BEING GOOD



Comment on good attending

Friendly greeting



Discussion/Practice

What are some good behaviors you can "catch" with your difficult students?

Practice a few specific praise statements for these good behaviors until they seem natural.

Negative Reinforcement Strategies

- REMINDERS
 - Negative doesn't mean "bad" when it comes to reinforcement, it just means "escaping/avoiding"
 - Most escape is related to academic tasks, but escape CAN be escape from

Negative Reinforcement Strategies

- Earned or Requested Breaks
 - Same idea as differential reinforcement described earlier
 - Earned Breaks
 - If student is good for x amount of time, they can take a break for y seconds/minutes
 - Requested Breaks
 - Student is given multiple "passes" to request brief breaks from task

Negative Reinforcement Strategies

- Modify Tasks or Social Interactions
 - Modify Task

 - Provide options
 Provide task as instructional level
 Break the task into smaller chunks

 - Modify Social Interactions
 - If peers are the issue, keep them separated
 Reduce and alter how you interact with student
 If correction, then very brief
 Avoid unnecessary interactions if student is doing well

Discussion

What could students do during "breaks" in your classroom/school that would be minimally disruptive?

Think of one task in your classroom and then develop 2 ways it could be easily modified for a student.

Behavior Change Takes Time

- All of these strategies are effective, but they may take time to really see the payoff
- Don't give up too soon!

Classroom-Wide Interventions

When it's not just a couple of students with problem behavior

It's not always easy: Classroom data from high fidelity PBIS schools

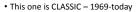
Table 3. Mean Rates and Range of Observed Teacher and Student Behavior in the Classroom

Variable	Overall sample	School I (SET = 94%)	School 2 (SET = 90%)	School 3 (SET = 91%)		
Total praise	0.56 (0.02-1.74)	0.53 (0.20-1.22)	0.54 (0.23-0.93)	0.60 (0.02-1.74)		
General praise	0.43 (0.02-1.29)	0.38 (0.016-0.76)	0.42 (0.20-0.73)	0.47 (0.02-1.29)		
Specific praise	0.13 (0.00-0.47)	0.14 (0.03-0.47)	0.13 (0.03-0.23)	0.13 (0.00-0.46)		
Total reprimands	0.67 (0.20-1.34)	1.04 (0.69-1.34)	0.67 (0.32-1.05)	0.43 (0.20-0.69)		
Reprimand	0.65 (0.20-1.30)	1.01 (0.67-1.30)	0.64 (0.28-1.00)	0.41 (0.20-0.58)		
Harsh reprimand	0.02 (0.00-0.11)	0.03 (0.00-0.09)	0.03 (0.00-0.09)	0.01 (0.00-0.11)		
Opportunities to respond	1.48 (0.00-7.03)	1.41 (0.00-5.80)	1.28 (0.03-3.25)	1.68 (0.00-7.03)		
Student disruptions	0.72 (0.23-1.40)	1.07 (0.71-1.40)	0.69 (0.30-1.05)	0.50 (0.23-0.76)		

Reinke, W., Herman, K., & Stormont, M. (2013). Classroom-level positive behavior supports in schools implementing SW-PBIS: identifying areas for enhancement. *Journa of Positive Behavior interventions*, 15 (1), 39-50.

CUB P.R.I.D.E TOOTLING CARD

Good Behavior Game





- Class is broken into teams
- Teams compete for best behavior
 Least bad behavior marks
- Most good behavior marks
- Winning team gets a group reward
 If both teams meet criterion, they BOTH win

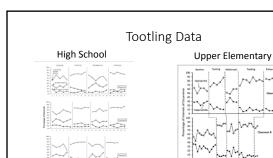




Tootling

- Tattling + Tooting Your Horn
- PEERS catch one another being good
- Set-Up
 - Teach the use of the tootles (what, when, how)

 - Tootles given to student who then gives to teacher
 Class received GROUP REWARD for submitting target # of tootles
 - Optional: Teacher reads some tootles aloud

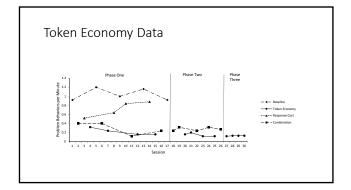


Token Economy

- Another Classic 1965-today
- BASICS
 - Students receive tokens for good behavior
 - Tokens can be exchanges for larger rewards (backup reinforcers)

Token Economy

- Implementation Logistics
 - Define good behaviors
 - Identify items to use as tokens
 - Identify larger rewards (backup reinforcers)
 - Determine exchange rate (how many tokens for which rewards)
 - Time and place for exchange
 - Decide on whether to implement Response Cost



Discussion

Which of these three interventions would be most comfortable for you to use? Why?

- Good Behavior Game
- Tootling
- Token Economy

What other class-wide interventions have you tried?

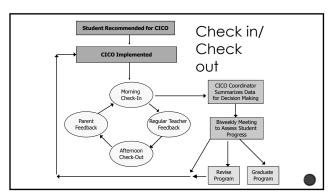
Targeted, At-Risk Group Interventions

Efficient supports for multiple students in a school

PICK 2 OR 3 EFFECTIVE TIER 2 INTERVENTIONS

- School selects
 At least one for ATTENTION function
- At least one for ESCAPE function





WHY DOES CICO WORK?

- Increased attention for good behavior
 Points and specific feedback from teachers for good behavior
 Problem behaviors are mostly ignored

- Opportunity for additional reward
 During check-out, student can choose from a range of rewards

CICO COORDINATOR RESPONSIBILITIES

- Take care of CICO requests for assistance
 Meet with new students and parents
- · Lead morning check-in/ afternoon check-out
- Enter CICO data on spreadsheet daily
- Organize and maintain records
- Create graphs for CICO meetings
- Gather supplemental information for CICO meetings
- Prioritize CICO students for team meetings
- Lead CICO meetings

CICO: MORNING CHECK IN

- Conducted by program coordinator
- Friendly greeting
- Collect yesterday's card signed by parent
- Set goal
- Same goal for all students?
- Goal progresses as student progresses?
- Check-in checklist
- Time ≈ 1 min/student

High School Example: **Morning Check In**

Check-In, Check-Out Form: Elementary School Version								
Student	Check-Out % of Points Earned	Goal	Check-In	Delivered Contract	Signed Parent Copy of DPR			
						(

CICO: TEACHER FEEDBACK

- The details of the card
- How teachers give feedback
- Importance of teaching teachers about process
 Semi-annual or annual booster
- \bullet Time ≈ 15 sec/student at each scoring time

		1	Date		her	Stude	ent	_		
0 = No 1= Good 2= Excellent	В	e Safe	•	Be Respectful			Be You	Teacher initials		
Class	0	1	2	2	1	0	1			
Recess	0	1	2	2	1	0 2	1			
Class	0	1	2	2	1	0 2	1			
Lunch	0	1	2	2	1	0 2	1			
Class	0	1	2	2	1	0	1			
Recess	0	1	2	0	1	0	1			
Class	0	1	2		1	0	1			

FEEDBACK EXAMPLES

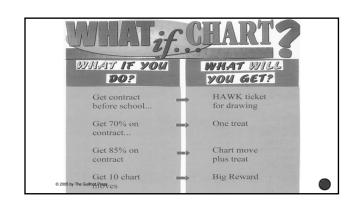




CICO: AFTERNOON CHECK OUT

- Conducted by program coordinator
- Friendly greeting
- Review student's performance for the day
- Record data on same sheet as check-in
- Deliver rewards according to reward schedule
- Make copy of the Card so one goes home and one stays at school

BEP Check-In/Check-Out Record BEP Coordinator:_ Date: Check-In Check-Out Student Name Paper Pencil Notebook DPR BEP Score parent copy Jason $\sqrt{}$ 90 85 Leanne 60 Juan Kiran 100 Alexa $\sqrt{}$ 95 $\sqrt{}$ $\sqrt{}$ $\sqrt{}$

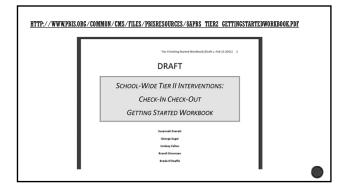


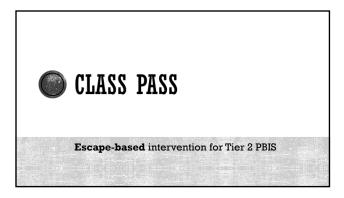
CICO: HOME FEEDBACK

- Parent/guardian training
- Parent signs card and returns it
- What if card not returned next day?

High School Example: **Morning Check In**

> **High School Example:** Teacher **Feedback**





TIER 2 ESCAPE INTERVENTION

- Class Pass
 Cook et al. (2014) and Collins et al. (2016)
 Based on Bedtime Pass Program
- Can be an excellent alternative to CICO that utilizes many of the same systems and resources as CICO
- Core Components:
- · Student can take up to three 10-minutes breaks during the day (escapes)
- Unused passes can be exchanged for rewards
 Increases teacher acceptability
 Reduces missed instructional time
 Facilitates fading

WHY DOES CLASS PASS WORK?

- Morning Check-In benefits same as CICO
- Student can use alternative behavior to escape
 Passes are essential a DIFFERENTIAL REINFORCEMENT
- Additional rewards available for unused passes during afternoon check-out same as CICO

TIER 2 ESCAPE INTERVENTION

- Class Pass Intervention
 Morning Check-In
 Three 10-minute Breaks During Day (Passes)
- Covert Point Card Evaluation
 Afternoon Check-Out
- Earn rewards for unused passes

CLASS PASS: MORNING CHECK-IN

- Basically the same as CICO Morning Check-In
- 1-minute greeting
- Give student point card
 E-point cards are best
- Give student three 10-minute passes
 Can be integrated into point card

CICO / Class Pass Daily Record Form

Student	Progr	ram	Point Card Delivered			Passes Delivered			Goal	Check- Out Points
	CICO	CP	Y	N	NA	Y	N	NA		
	CICO	CP	Y	N	NA	Y	N	NA		
	CICO	CP	Y	N	NA	Y	N	NA		
	CICO	CP	Y	N	NA	Y	N	NA		
	CICO	CP	Y	N	NA	Y	N	NA		
	CICO	CP	Y	N	NA	Y	N	NA		
	CICO	CP	Y	N	NA	Y	N	NA		
	CICO	CP	Y	N	NA	Y	N	NA		

CLASS PASS: BREAKS (PASSES)

- Three 10-minute breaks
 Need rules for
 WHEN

 - Are there times when they can't use it?

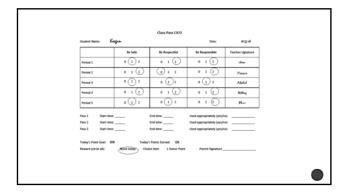
 - Are there times when they can't use it
 WHERE
 Where do they complete the break?
 WHAT
 What do they do during break?

 - Time-keeping
 How will we keep track of proper 10-minute limit?

Class Pass #1 Time leaving ___ __ Time Returning _ Notes on correct break usage (if needed) _ Teacher Signature _

CLASS PASS: COVERT POINT CARD **SCORING**

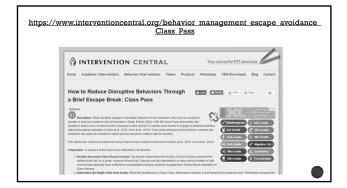
- For CICO, point card is both data AND intervention
- For CLASS PASS, point card is just data
- · Points at end of class
- Just like CICO... except
- No meeting with student about scores (used for progress monitoring)



CLASS PASS: AFTERNOON CHECK-

- Basically the same as CICO Afternoon Check-Out
- Points are recorded by manager
- REWARDS BASED ON UNUSED PASSES
 Same rewards as CICO... except
 Different exchange rate

- Direction excitating rate
 Example:
 1 small reward = 70% of CICO points OR 1 unused CP pass
 1 large reward = 70% of CICO points for 1 week OR 5 unused CP passes in 1 week



Discussion

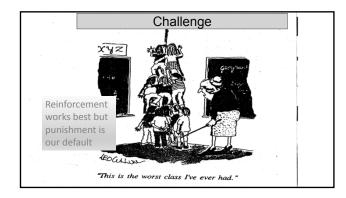
- How much of a change would CICO and Class Pass be for your school compared to current Tier 2 supports?
- Who could you work with in your school to begin working on CICO and Class Pass?

School-wide Interventions

Positive Behavioral Interventions and Supports (PBIS)

What is PBIS?

- A system for providing evidence-based behavioral interventions across an entire school
 - Applying behavioral interventions at a scale of social significance
- Combining behavioral EBI's with a systems-perspective



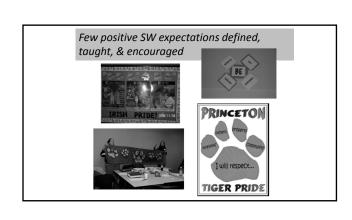
Kahoot! PBIS Quiz

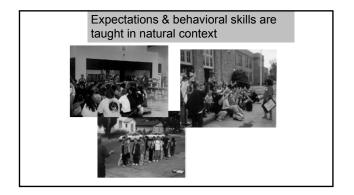
PBIS accounts for 62.1% of reductions in major disciplinary incidents in MN! Impact of Positive Behavioral Interventions and Supports - PBIS Schools implementing Positive Behavioral Interventions and Supports (PBIS) represent of Mannesola districts, yet account for approximately 2C.1 percent of the decrease in Supports and Supports (PBIS) represent of the decrease in Supports (PBIS) represent of the decrease in Supports (PBIS) account for approximately 2C.1 percent of the PBIS of

The Core Components of PBIS system

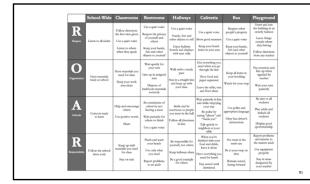
- 1. Positively stated behavior expectations TAUGHT to all students
- 2. Students acknowledged for appropriate behavior
- 3. Consistent and efficient management of problem
- 4. Team makes decisions about program based on data

Core Component 1: TEACHING POSITIVE EXPECTATIONS







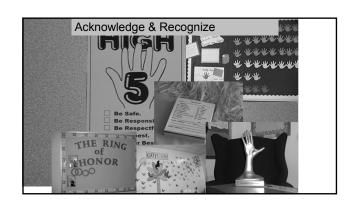


Reminding & Re-teaching Expectations

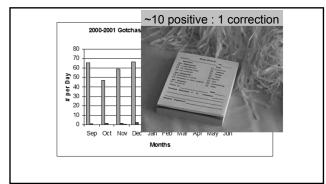
- Once isn't enough
- Handbook isn't enough
 - Signage
 - Pre-corrections when necessary
 - Systematic re-teaching

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Core Component 2: ACKNOWLEDGING APPROPRIATE BEHAVIORS (REWARDS)







What to reward?

- Any good behavior should have the POTENTIAL to be rewarded
- Above-and-Beyond vs. Meeting Expectations
 - 8.17 vs. 4.06 likelihood to reward (on a scale of 1 to 10)

Practical Thoughts on Rewards

- Doolittle, Horner, and Sugai (2008) found that SUSTAINTED outcomes of PBIS are related to two things
 - Overall implementation above 80%
 - Implementation of reward system above 80%

Discussion

- What rewards are you comfortable using?
- What behaviors are you comfortable rewarding?

Core Component 3: **CONSISTENT MANAGEMENT OF PROBLEM BEHAVIOR**

When kids misbehave

- In spite of every effort, some kids will misbehave
- Be sure to have a consistent plan to deal with these behaviors
 - Students know what will happen
 - Staff know what will happen
 - · Administrators know what will happen

Example Discipline Plan Overview

- Addressing Behavior

 -Level 1 Incidentals: Teacher-handled using classroom management strategies.

 -Teacher to teacher communication tool.

 -Level 2 Minors: Teacher-handled using logical consequences.

 -Teacher sends home Infraction Form for parent's signature. Copy given to the office.

 -Level 3 Majors: Principal-managed; send the student to the office where it will be addressed administratively.

 -Teacher will receive a copy of Infraction Form. Parent's signature required.

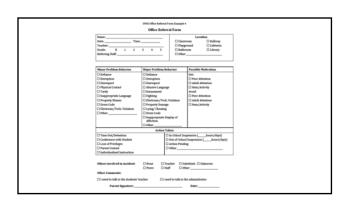
 -Level 4 Illegals: Principal-managed; send the student to the office where it will be addressed administratively.

 -Teacher will receive a copy of Infraction Form. Parent's signature required.

- <u>Collecting Data</u>
 **Level 1 Incidentals are not recorded. Incidental forms are filed in each teacher's PBIS box.
 **Level 2 Minors are recorded. Once the behavior is addressed, turn in a <u>vellow copy</u> to the
- office.

 -Level 3 Majors are recorded. Send the form with the student to the office.

 -Level 4 Illegals are recorded. Send the form with the student to the office.



Documentation and Response

- Why DOCUMENT?
 - Data are used for decision-making by the PBIS team for school-wide problems
 - EXAMPLE



- How to RESPOND when problem behaviors occur
 - · Before and after
 - Pre-correct, review rates of reinforcement, and re-teach
 - During
- Redirect and implement major/minor process
 10/12/2018

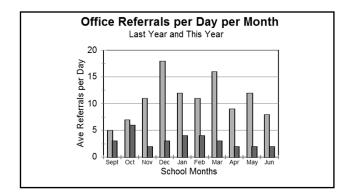
Core Component 4: DATA-BASED DECISION MAKING

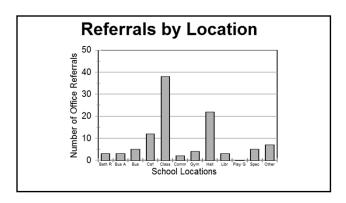
Data Truly Matter

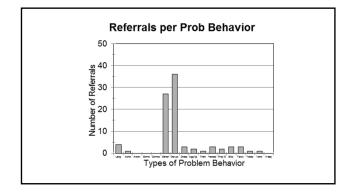
School discipline data can answer the following questions

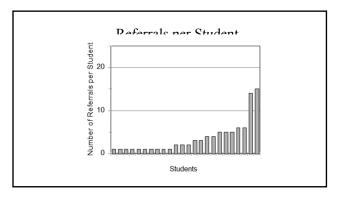
- 1. Is there a problem?
- 2. What is the problem?
- **3. Who** is engaging in the problem behavior?
- 4. Where is it happening?
- 5. When is it happening?
- 6. Why is it happening?

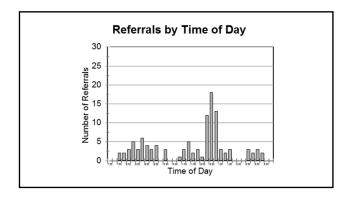
When OFFICE REFERRAL data are meaningful, watch what you can do...











Using Data to Develop an Intervention

- Here are some generic ideas:
 - · Problem: Too much fighting in the hallways
 - Intervention: More active supervision in hallways
 - · Problem: Disruption in classroom
 - Intervention: Re-teach respect and develop partner rooms to send students

 - Problem: Tardiness among 7th graders
 Intervention: Review location of lockers, change if necessary, and provide rewards for classes that attain 0 tardies for the week (group contingency)

What does PBIS look like?

- >80% of students can tell you what is expected of them & give behavioral example because they have been taught, actively supervised, practiced, & acknowledged.
- Positive adult-to-student interactions exceed negative
- All administrators, teachers, and staff agree on what behaviors are office-managed
- \bullet Data- & team-based action planning & implementation are operating.
- Full continuum of behavior support is available to all students

Today's topics

- Overview of basic principles
- Interventions across levels of need
 - Student-level
 - Classroom-level
 - Targeted at-risk group
 - School-wide

Closing Thoughts

- Understanding behavior ABC's can improve the interventions that we provide for all students in a school
- Implementing isn't easy or we'd already be doing this

Thank you!

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