

Agenda

- · Provide context for existing work in databased individualization
 - Focus on self-monitoring interventions
- · Introduce the DBI framework
- · Describe results of recent teacher training and research in DBI
 - Student outcomes
 - Teacher perceptions

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The Marshmallow Test

Self-Determination

- Overarching term for a group of related skills, beliefs, and, behaviors aimed at improving the quality of life through achieving independence across the life span
 - Subcategories: choice-making, decision-making, goal-setting, problem-solving, self-advocacy, self-efficacy, self-knowledge, and self-management/regulation

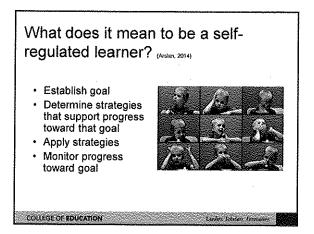


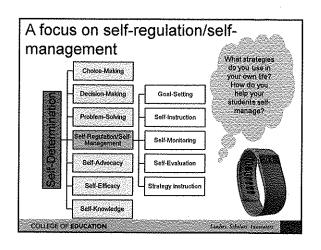
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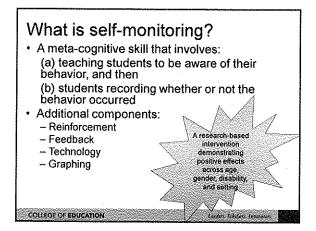
Self-Determination

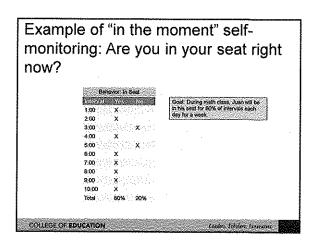
- · Unfortunately, many students with and at-risk for emotional and behavioral disorders lack selfdetermination skills such as self-regulation
 - These skills are critical for academic success and developing positive social relationships (Cameto, Levine, Wagner, & Marder, 2004; Carter, Lane Pierson, & Glaser, 2006)

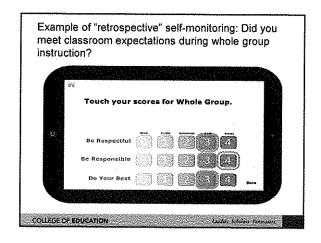


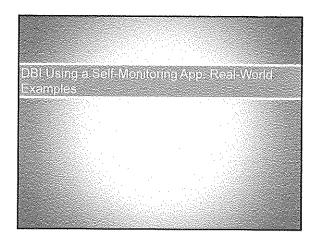


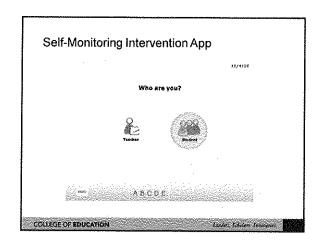


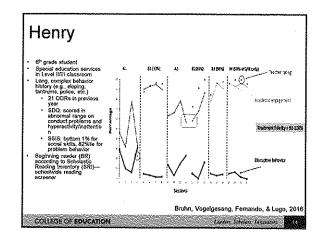


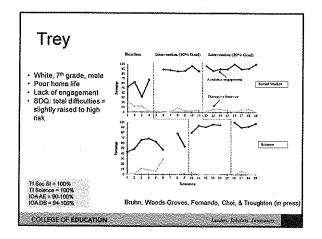


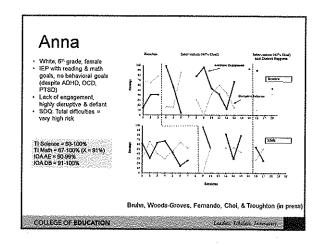








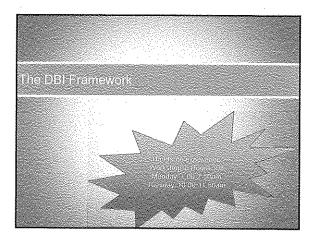




Building Capacity

- How can we get teachers to provide highquality intervention and make data-based decisions within intervention?
- Can we teach them a systematic process that is effective, useful, and feasible?

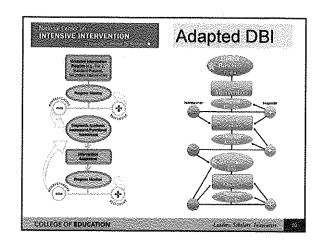
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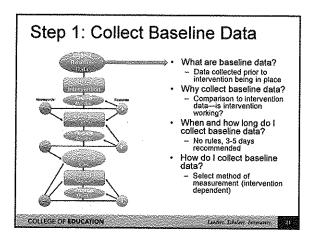


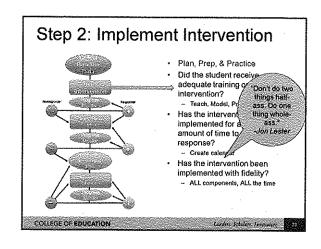


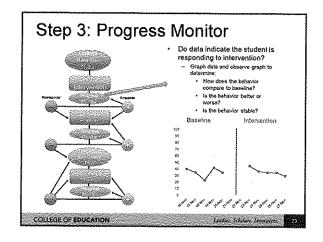
- DBI is "a systematic method for using data to determine when and how to provide more intense (or less intense) intervention"
 - DBI is a process, NOT a single intervention or strategy
 - DBI is NOT a one-time fix
 - On-going process of intervention and assessment adjusted over time

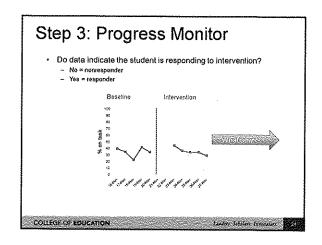
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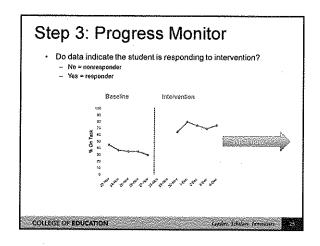


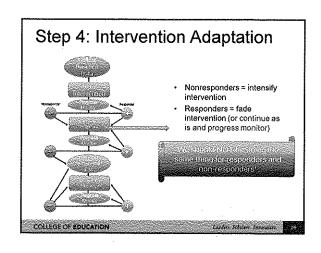


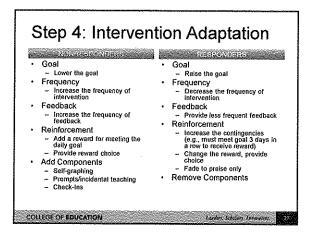


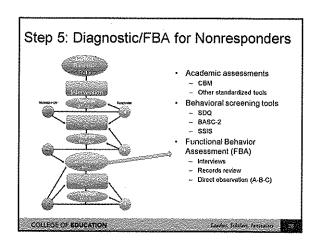


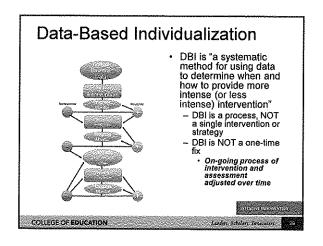














"Improving Intervention Implementation Using Data-Based Individualization"

- · 16 gen ed/sped teachers (4th-6th grade) attending 5-part professional development series (Nov-Mar)
 - All running their own studies with a student demonstrating challenging behavior
 - Graduate assistants collecting fidelity data 1x/wk
 - Mixed-method analysis (Student outcomes = single-subject & descriptive; Teacher outcomes = qualitative & quantitative)

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"Improving Intervention Implementation Using Data-Based Individualization"

- Student Outcomes:
 - What are the effects of data-based individualization within technology-based self-monitoring on 4th-6th grade students with serious challenging behavior?
- Teacher Outcomes:
 - What are teachers' perceptions of their understanding of, selfefficacy in using, and utility of data-based individualization before, during, and after training and implementation?

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"Improving Intervention Implementation Using Data-Based Individualization"

Content Objectives:	Implementation Objectives:	Evaluation Objectives:
Participants will	Participants will	Participants will
 Learn about self- 	1. Create a list of potential	1. Complete pre-self-
monitoring (what it is, who	students who meet inclusion	assessment
can benefit from it, research	criteria	1
on effects)	2. Review consent forms	
Learn about self-	3. Take consent forms to school	
monitoring (what it is, who	and send home to parents of	
can benefit from it research	students meeting criteria	
on effects, how to use it)	-	
3. Practice using self-		
monitoring app		

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"Improving Intervention Implementation Using Data-Based Individualization"

Session 2: Introduction to Data-Based Individualization (DECEMBER 6th 2016; 1/4 day) Content Objectives Implementation Objectives Evaluation Objectives Participants will. Participants will... Participants will.. I. Learn about DBI (what it is, 1. Return signed consent 1. Complete IRP-15 prewhy it is important) forms 2. Discuss DBI in terms of 2. Create implementation app (how to individualize calendar for collecting based on app data) baseline data using app and 3. Practice DBI by analyzing pre-assessment data data sets and making decisions 4. Program app for use (i.e., student name, behavior to be measured, interval system)

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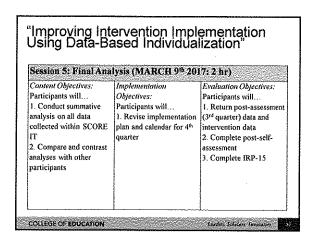
"Improving Intervention Implementation Using Data-Based Individualization"

	and Intervention Implementatio	
Content Objectives: Participants will, 1. Review DBI 2. Analyze baseline data f student participants	Implementation Objectives: Participants will 1. Create implementation from plan and calendar for student self-monitoring using app	Evaluation Objectives: Participants will 1. Return pre-assessment (2 ⁿ quarter) and baseline data 2. Complete mid-self- assessment

"Improving Intervention Implementation Using Data-Based Individualization"

Session 4: Intervention Data Analysis (FEBRUARY 7th 2017: 2 hr) Content Objectives: Implementation Objectives: Evaluation Objectives: Participants will... Participants will... Participants will., 1. Analyze intervention data I. Revise implementation Engage in semi-structured from student participants lan and calendar based on interviews about usability 2. Discuss DBI decisions discussions of DBI decisions and feasibility of app and about continuing, adapting, DBI or discontinuing app COLLEGE OF EDUCATION Lader, Schiler, September 1

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Participants: Teachers

- N = 16
- Years of experience = 3 to 35 (Mean = 15)
- · 14 Female, 2 Male
- · 12 White, 3 Black, 1 Mixed
- · 4 BAs, 10 MAs, 2 PhDs,
- 4 SPED teachers, 12 Gen Ed teachers

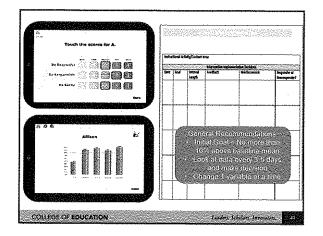
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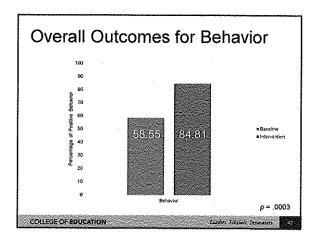
Participants: Students

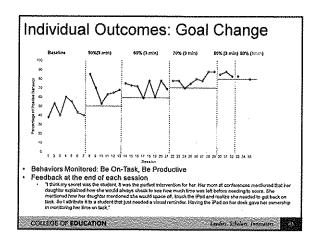
- N = 17
- 15 Male, 2 Female
- · 11 White, 3 Black, 2 Mixed, 1 Hispanic
- 3rd grade = 2, 4th grade = 6, 5th grade = 5, 6th grade = 4
- · Nominated due to high rates of off-task behavior & poor academic performance, ODRs or screening score, IEP behavioral goals, or EBD diagnosis

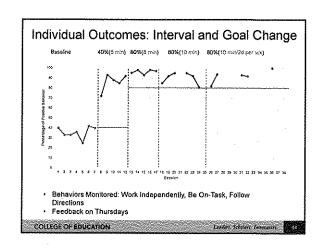
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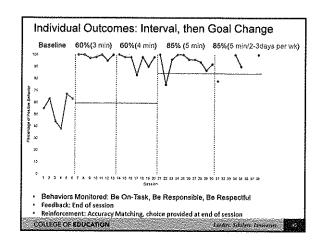
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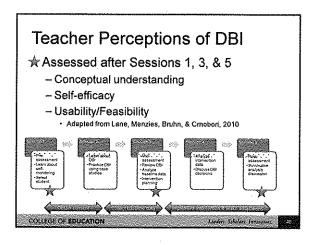


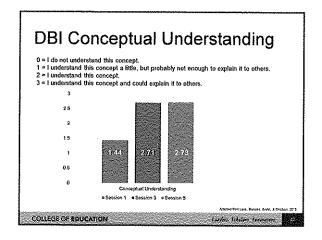


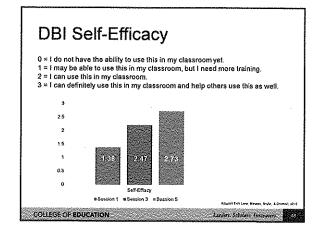


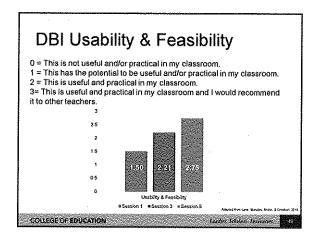


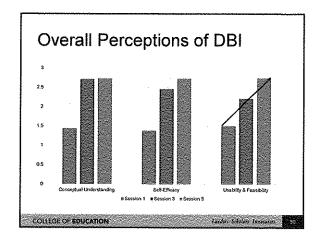


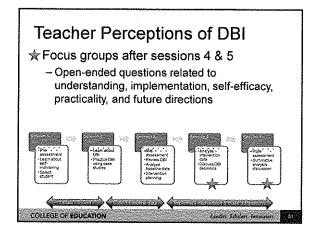












How did using the app and data-based individualization fit into the structure and flow of your classroom?

- Due to the very hands-on nature of the class it has been a little tricky.

 It could be interrupting if used while teacher is physically teaching and speaking to class. It fits well but it does become hard to monitor actively when I'm with a guided reading group. It interrupted the flow slightly...sometimes I have to stop working with a group or student to score.
- I could see it being more challenging during whole group instruction.
- It fits in easily and is very accessible no matter what we are doing in the classroom.
- It has been good during independent work time.
- Seamless at this point!
- it was great for me because I got a good picture of how the student was doing in the gen ed classroom and I don't always get much time for that.
- I feel making data-based decisions has been valuable. When we reflect on meeting the goal, you can see the student beam with pride.

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If you were advising other teachers on selfmonitoring and/or DBI, what advice would you give them?

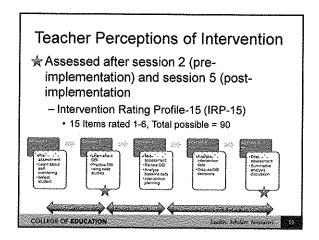
- · "Make sure to take baseline data."
- · "Be consistent...do what you set up to do."
- · "Implement with fidelity. Don't cut the intervention cold turkey and use the data to inform decisions, not just gut."
- · "Use the check-in time to build relationships."

COLLEGE OF EDUCATION Learning transfers

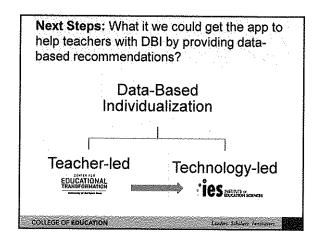
After having been through this training series, would you feel comfortable implementing this same intervention and DBI with another student? Why or why not?

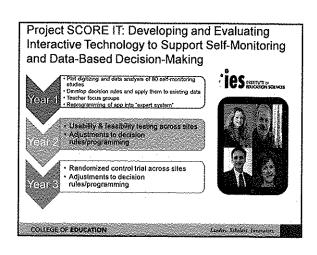
- · "Yes, because it's very simple and very reflective for the student."
- "Yes. First of all, other students are asking to use the iPad! But, yes, I was surprised that the intervention actually worked. So, I would be interested in trying this with other students as a way to intervene before I bring up the student as a behavior concern to our school team."
- "Yes After my kiddo was deemed a responder, I noticed many others who would benefit (mostly for off-task/attention behaviors)."

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	5.00
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4.44	5.44
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Time for Questions • Contact Info Dr. Allison Bruhn University of Iowa Allison-bruhn@uiowa.edu 319-335-5433

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