

Module 3 Activity Workbook

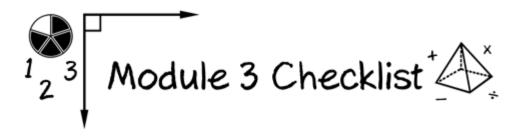
National Center on
INTENSIVE INTERVENTION

at American Institutes for Research



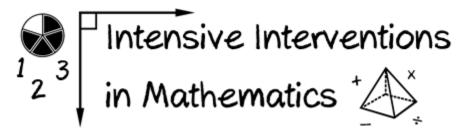


Contents	Page
Module 3 Checklist	3
Activity #1 – Determine Categories of Evidence-Based Practices	4
Activity #2 – Rate the Evidence Base of Various Practices	5
Discussion Board – What are your favorite evidence-based practices?	6
Activity #3 – Compare Websites for Locating Evidence-Based Practices	7-8
Activity #4 – Locate Interventions and Compare Available Evidence	9
Activity #5 – Find Evidence-based Practices for a Student's Needs	10-11
Activity #6 – Focus on Your Grade Level(s) – What is Available?	12
Discussion Board – What Do You Need for Intensive Interventions?	13
Classroom Application: Evaluate the Evidence Base of One of Your Current Instructional Practices	14
References	15



The purpose of this Activity Workbook is to help organize content for this Module. You will do some Activities on your own to help you engage with and think about the content. You will not be required to submit your responses for those activities. There are other activities, however, that you will submit online and apply in your classroom. The activities that you must submit before completing this Module are listed in the "Online" column below.

Section	Assignment	To Be Completed	To Be Completed	To Be Completed
beetion	713319111110111	In Activity Workbook	Online	With Coach
Intro	Video		☐ Watch Module 3 Introduction Video Presentation	
	Video		☐ Watch Module 3 Part 1 Video Presentation	
t 1	Activity 1	☐ Determine Categories of Evidence-based Practices		
Part	Activity 2	☐ Rate the Evidence of Various Practices		
	Discussion		☐ Discussion Board: Example of evidence-based practice	
	Video		☐ Watch Module 3 Part 2 Video Presentation	
Part 2	Activity 3	☐ Compare Websites for Locating Evidence-Based Practices		
_	Activity 4	☐ Locate Interventions and Compare Available Evidence		
	Video		☐ Watch Module 3 Part 3 Video Presentation	
8	Activity 5	☐ Find Evidence-based Practices for a Student's Needs		
Part 3	Activity 6	☐ Focus on Your Grade Level – What is Available?		
	Discussion		☐ Discussion Board: Intensive Intervention Needs? ☐ Write Your Response ☐ Respond to 2 Others	
	Video		☐ Watch Module 3 Closing Video Presentation	
Next Steps	Classroom Application			☐ Evaluate the Evidence Base of Your Current Instructional Practices



- Module 3
- Part 1



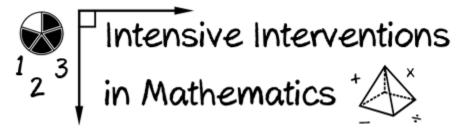


Look at the examples of different evidence-based practices. Is each an *evidence-based* intervention, an *evidence-based* strategy, or a *promising* practice?

Name of	Description	EBI	EBS	PP
Practice				
Number Rockets	A tutoring program covering first grade math skills.			
Explicit Instruction	A structured instructional method that includes techniques like modeling, scaffolding, breaking difficult tasks into smaller steps, etc.			
Taped Problems	Students are presented with a set of number combination, then listen to then on an audio-recording that includes a brief pause after each problem and then the correct answer. The students' goal is to write down the correct response before the recording states the answer.			
Roots	50 lessons targeting number sense skills for kindergarteners.			
Word Problem Mnemonics	Memory devices that remind students of steps required to solve a word problem.			
Incremental Rehearsal	Using flashcards, student works on approximately equal numbers of known and unknown facts. Student targets the unknown facts with increasing numbers of known facts between reviews.			
Schema-based Instruction	When solving word problems, students identify a problem type, then use a diagram or an equation to solve the problem.			
Concrete- Representational- Abstract (CRA)	Students are taught mathematics concepts using concrete materials, pictorial representations, and symbolic notation, to facilitate the understanding of mathematical procedures.			
Pirate Math	A schema-based word-problem tutoring program for 2nd and 3rd grade students. Students use schemas to analyze addition and subtraction word-problems, then write equations with an "X" representing the missing information, and solve for "X."			

Note: EBI = evidence-based intervention; EBP = evidence-based strategy; PP = promising practice

Notes/Comments:			



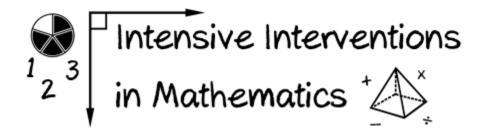
- Module 3
- Part 1





Look at the same examples of different evidence-based practices. How would <u>YOU</u> rate the evidence?

Name of Practice	Improvement from Before Intervention	Improvement Compared to No Treatment Students	Multiple Researchers	Multiple Students	Multiple Times	Setting and Students Similar to Your Own?	Your <u>Overall</u> Rating
Number Rockets							
Explicit Instruction							
Taped Problems							
Roots							
Word Problem Mnemonics							
Incremental Rehearsal							
Schema-based Instruction							
Concrete- Representational- Abstract (CRA)							
Pirate Math							



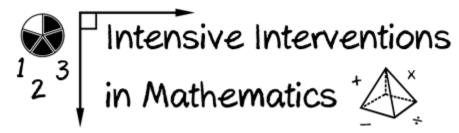
- Module 3
- Part 1

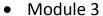




Share an example of an evidence-based intervention or strategy that you find useful in the classroom.

This space is for organizing your ideas.)					









• Activity #3

Locate a Tier 2 evidence-based practice in <u>mathematics</u> for a 4th-grade student.

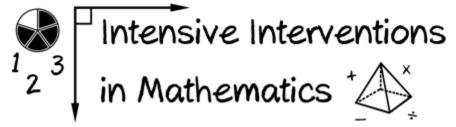
- Ease of locating information
- Quality of information
- Pros and cons of the site

Evidence-based	practice to co	mpare across	sites
-----------------------	----------------	--------------	-------

	Site	
Site Name and Web Address	Characteristics	Notes
	Ease of Locating Information	
	Quality of Information	
What Works Clearinghouse		
	Pros of Site	
https://ies.ed.gov/ncee/wwc/		
	Cons of Site	
	Ease of Locating Information	
	Quality of Information	
Evidence for ESSA		
	Pros of Site	
https://www.evidenceforessa.org/	Cons of Site	
	Ease of Locating Information	
	Quality of Information	
Teaching LD	Pros of Site	
Teaching LD	FIOS OF SILE	
http://teachingld.org/	Cons of Site	

- Module 3
 - Part 2
- Activity #3 (cont.)

	Ease of Locating	
	Information	
	Quality of Information	
Evidence Based Intervention		
Network	Pros of Site	
http://ebi.missouri.edu/		
nttp.//ebi.missouri.edu/	Cons of Site	
	Ease of Locating	
	Information	
	Quality of Information	
	information	
National Center on Intensive		
Intervention	Pros of Site	
http://www.intensiveintervention.org/	Cons of Site	
Another site you currently use:	CO113 O1 SILC	
randaner site you carrently user	Ease of Locating	
	Information	
	Quality of	
	Information	
	5.00	
	Pros of Site	
	Cons of Site	
Another site you currently use:	Face of Locating	
	Ease of Locating Information	
	Quality of	
	Information	
	Pros of Site	
	6	
	Cons of Site	



- Module 3
- Part 2
- Activity #4

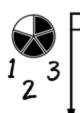


Locate the following mathematics interventions. How would you rate the evidence?

(Choose two evidence-based <u>interventions</u> and two evidence-based <u>strategies</u> in *mathematics* for the grade level you teach.)

Ter the grade level year	Assessment I			Setting		
Name of Practice	Improvement from Before Intervention	Improvement Compared to No Treatment Students	Multiple Researchers	Multiple Students	Multiple Times	Setting and Students Similar to Your Own?
Evidence-based Intervention 1:						
Evidence-based Intervention 2:						
Evidence-based <u>Strategy</u> 1:						
Evidence-based <u>Strategy</u> 2:						

Notes/Comments:



Intensive Interventions in Mathematics

- Module 3
- Part 3



Activity #5

You met Emma in the module about assessment within DBI.

Date	e:			Number			Number-	—1, Fall
Dire	ction: V	Vrite the	numb	er that th	e studen	t says	in the bl	lank.
1.		(9)	2.		(6)	3.	6	_ (5)
4.	2	(60)	5.		_ (4)	6.		_ (6)
7.		(2)	8.		(20)	9		_ (9)
10.		(3)	11.		(9)	12.		_ (7)
13.		(25)	14.		(8)	15.		_ (1)

0003

https://www.progressmonitoring.org/



This student had 1 correct response out of 4 attempts.

Missing Number, page 1—Student copy

7	8	9	10	3	4	5		4	6	6	7
---	---	---	----	---	---	---	--	---	---	---	---

• Module 3





Emma's ENI Results

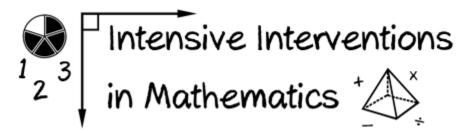
•	Activity #5	(cont.)
---	-------------	---------

Subtest	Emma's	Strengths	Weakness
	Scores		
		Fluent on numbers less than	Did not correctly identify any
Number Identification	12/22	20	numbers greater than 20
		Accurate with numbers less	
Quantity Discrimination	16/16	than 20	(All numbers were less than 20)
			Supplying a missing number in
			sequence, even when counting by
Missing Number	1/4	None identified.	ones

Considering the mathematical strengths and weaknesses of Emma:

1. What would be a scope and sequence for Emma?

2. What evidence-based interventions or evidence-based strategies are available?



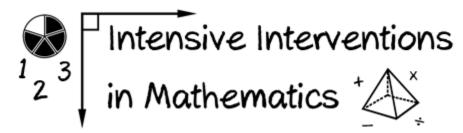
- Module 3
- Part 3





Using the resources we've discussed (and additional resources), what evidence-based interventions and evidence-based strategies are available at the grade(s) you teach? What's the quality of the evidence?

Evidence-based <i>Interventions</i>	Location of Evidence	Quality of Evidence
Evidence-based <u>Strategies</u>	Location of Evidence	Quality of Evidence
	Location of Evidence	Quality of Evidence
	Location of Evidence	Quality of Evidence
	Location of Evidence	Quality of Evidence
	Location of Evidence	Quality of Evidence
	Location of Evidence	Quality of Evidence
	Location of Evidence	Quality of Evidence
	Location of Evidence	Quality of Evidence
	Location of Evidence	Quality of Evidence



- Module 3
- Part 3

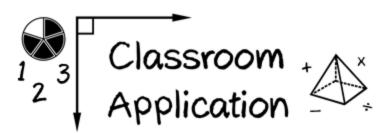


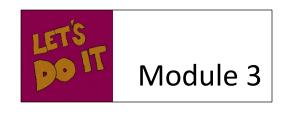


What evidence-based practices do you need for intensive intervention? Share with your classmates.

Write an original post on the Discussion Board and respond to two peers.

This space is for organizing your ideas.)						

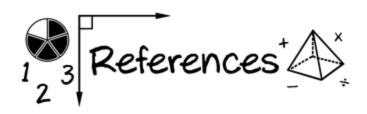




Evaluate a current instructional intervention or strategy. What is the evidence?

In Part 2 of this Module, you wrote a reflection on the evidence-based practices you are currently using in your classroom and how you knew of their evidence base. Now take this a step further: examine your go-to intervention or strategy closely. Look at the evidence. Determine whether to continue that practice, or to replace/supplement it.

		nt Data to Results	Replication			Setting
Name of Practice	Improvement from Before Intervention	Improvement Compared to No Treatment Students	Multiple Researchers	Multiple Students	Multiple Times	Setting and Students Similar to Your Own?
Continue to Use?	Re	eplace Wi	th	Sup	plement \	With
YES NO		T				T
Continue to Use?	Re	eplace Wi	th	Sup	plement \	With
YES NO						



Hughes, E. M., Powell, S. R., Lembke, E. S., & Riley-Tillman, T. C. (2016). Taking the guesswork out of locating evidence-based practices for diverse learners. *Learning Disabilities Research and Practice*, 31, 130–141. https://doi.org/10.1111/ldrp.12103