

Reading and Math Interventions



Special Education Summit
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Outcome

- Provide an overview of reading and math interventions to support special education students at the Elementary Level

Activator :

What is an intervention?

Directions

- With a partner, read all selections
- Sort selections into two columns
 - What an intervention **is**
 - What an intervention **is not**



Department of Special Education Support to Schools

Intervention Support Team

- Supervisor, Academic Interventions
- Instructional Specialist
- 6 Itinerant Resource Teachers (IRT)
 - An IRT is assigned to each elementary learning center



Consult with School Leadership

- Review school and student records to determine needs
- Offer strategies to support students
- Offer suggestions for choosing interventions



Questions?

- Student's strengths and needs?
- Sources of data?
- History of need(s)?
- What has been used to address needs?
 - Who implemented?
 - What was the
 - Frequency
 - Intensity
 - Duration of interventions?



Possible Data Sources

Look for patterns of strengths and needs

■ Math

- Curriculum-based Assessments
- MAP-P, MAP-M
- Formal standardized assessment subtests
- State assessments

■ Reading

- Curriculum-based Assessments
- MAP-P, MAP-R
- Formal standardized assessment subtests
- State assessments



Let's analyze some data

Name	Gr	MSA Reading	Map-R	Broad Rdg	Word ID	Word Attack	Rdg Fluency	Pass. Comp	IRI/Inst.Level	Rdg accomm.	Rdg IEP Goals	Intervention	Intervention	Intervention	Comments	Questions/Needed information
Sally Smith	5	B	B	85	86	80	78	83	3rd	Y/S	Y					
Johnny Jones	4	P	P		87	93	87	87	3	Y	Y				Has attention issues	
Wanna Learn	4	B	B	83	82	83		80	2	Y/S	Y					
Roger Read	3	B	B		102	98		83		Y/S	Y					
Donna Donnit	2	NA	B		75		78	83			Y					

DSES Support: Guide

Implementation of Interventions

- Scheduling
- Ensuring the fidelity of implementation
 - Teacher observations
 - Coaching to support teachers
- Assisting with data collection



DSES Support: Professional Development

- Initial training
- Refresher sessions
- Observations
 - Fidelity checklist
- Job-embedded coaching
- Question and Answer support sessions



Reading Interventions *

Components of Reading

- Phonemic Awareness
- Phonics
- Fluency
- Comprehension
- Vocabulary

*See handout for descriptions of specific interventions



Sample of DSES Supported Reading Interventions - Elementary

- Early Interventions in Reading
- Fast Track Reading
 - Word Work Strand
 - Comprehension Strand
- Phonics for Reading
- Read Naturally
- Reading Assistant
- Edmark



Math Interventions

- Number sense
- Operations (computation)
- Fractions
- Whole numbers and Integers
- Exponents
- Algebra
- Percent
- Equations
- Probability
- Graphing
- Measurement and Geometry



Sample of DSES Supported Math Interventions - Elementary

- FASTT Math
 - Computer component
 - Pre-computer components
- Number Worlds
- Understanding Math

- Above and Beyond with Digi Blocks



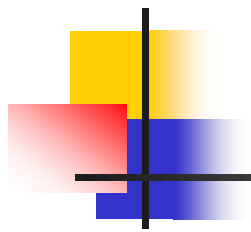
Above and Beyond With Digi-Blocks

- Targets
 - Counting
 - Place value
 - The four operations
 - Money
- For students with intellectual disabilities
- Direct Instruction

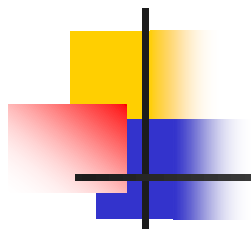


An intervention Provides

- Direct, systematic instruction for specific students
- Intensive, focused research-based instruction
- Entry and exit requirements/criteria
- Greater student access to curriculum
- Opportunities to increase and monitor student achievement
- Daily implementation by a teacher for a specified time



Questions?



THANK YOU