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Accessibility Commitments

We take the following steps to ensure this presentation is accessible:

- Use Grackle Slides and/or Microsoft Accessibility Checker to perform an automated accessibility check.
- Ensure a clear reading order for screen reader users.
- Provide access to the deck for a personalized experience.
- Utilize closed captioning.

We welcome any feedback for improving the experience.

Please Note

In this webinar, Alt+Shift will provide information and resources regarding best practices.

Student specific solutions, including the use of specific tools, are determined by your learner's IEP team. For assistance navigating IEP meetings, contact Michigan Alliance for Families. For assistance with disagreement resolution or complex meetings, contact <u>Special</u> Education <u>Mediation Services</u> (https://www.mikids1st.org/).

Nice to Meet You!

Rachel Tabron

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- Special Education Teacher for 7 years
- Special Education Supervisor for 8 years
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Workshop Description

Supporting your child in math can feel overwhelming for many parents of students with disabilities. This webinar aims to provide families with an understanding of math practices for students with disabilities and offer practical strategies they can use to support their child's mathematical learning.

7

Learning Objectives

Participants will:

- learn about evidence-informed practices that make math accessible to all students
- discover strategies and techniques to support their child's mathematical learning
- increase confidence in their ability to support and advocate for their child's mathematical learning

"Math Person" Myth					
Hello my name is	Hello my name is				
Math Person	Not a Math Person				

















Analog Brain

- Humans have analog brains
- Our memory is not designed for digits
- Our memory is designed for stories and impressions













































How is this Different?

Shifted approach focuses on:

- reasoning
- sense making
- problem-solving
- Traditional approach focuses on:
- speed
- following step-by-step procedures
- finding the answer to a problem

29

Access to a Supportive Adult

- Allow for ample processing time (be quiet)
- Ask a question to support their understanding
 - $\circ~$ What do you already know?
 - Could you make a drawing to help you think about the problem?
 - How do you know?



Provide Choice

Provide structured choices to increase child's sense of control

- Determine what is nonnegotiable
- Determine what is negotiable
 - Offer choices on negotiable



31

Negotiable Examples

Would you like to:

- practice your math facts on the couch or at the table?
- use flashcards or play a math fact game on your computer?
- quiz me first, or would you like me to quiz you first?
- type your answers or write them?
- write on lined paper or graph paper?
- write with a pencil or a marker?

32

Use Existing Resources

- Online textbook
- Google Classroom resources
- Student notes
- Worked examples



Use Generally Available Resources

- Search the skill (multiply double-digit numbers)
- Use information from the assignment/lesson in your search "Go Math" or "Bridges Grade 5 Unit 2"
- Keep looking until you find a video that explains it in a way that make sense



34

Where to Learn More

- Online Modules
- Statewide Training



35

Online Modules

info.altshift.education/OnlineModules







38

Statewide Training

Dates: January 9, 10 & February 12, 13

Location: Clinton County RESA

Target Audience: PK-12th grade educators (or those working from birth through transition) who are involved in math instruction.

- general & special education classroom teachers paraprofessionals ancillary staff •
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- .
- administrators •
- families •

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40

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