



DOING MATH
DIFFERENTLY

OBJECTIVES:

To serve from a cognitive science & social emotional learning mindset.

To equip people to succeed in math by finding and filling in their math gaps.

To empower people by helping them to believe in their math potential, which will ultimately broaden their career options & life trajectory.

ABOUT US:

Since 2009,
Teaching Math(s) to
Special Education
Students

Since 1997,
Teacher Certified.

STAFF ACHIEVEMENTS

Coed Special Education
LEGO Robotic Team
· 2018-19 District: Rising
Star Award
· 2019-20 District:
Champion's Award
· 2019-20 Provincials:
Judge's Award

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LD MATH AWARENESS

TOP 3 REASONS

WHY

SPECIAL EDUCATION STUDENTS STRUGGLE WITH MATH

1. M-ANAGE MEMORY

Vocabulary | Multiple Steps | Mental Math

- Vocabulary: word walls | names of coins | operations & their functions etc.
- Multiple Steps: long multiplication | formulas | short cuts & tricks etc.
- Mental Math: subitizing, manipulate numbers | multiplication facts etc.

2. M-ANAGE MOVEMENT

Arrangements | Patterns | Motor

- Arrangements: Position & Direction
 - Position: up, down, front, back, high, low, side, top, bottom etc.
 - Direction: left vs. right | up vs. down | vertical vs. horizontal | diagonals
- Patterns: noticing patterns | fixing incorrect patterns etc.
- Motor: Visually, Mentally & Physically

3. W-ORK EFFICIENTLY

Logic | Comprehension | Focus

- Logic: overgeneralize tricks, lack strategies, memorize instead of understand etc.
- Comprehension: understanding contexts, analyzing, critical thinking, word problems etc.
- Focus: details, skip or change order of steps, struggle with arrangements, reasonableness etc.

NEXT STEPS:

TOP 5 STRUGGLES:

WHAT

SPECIAL EDUCATION STUDENTS STRUGGLE WITH IN EACH MATH STRAND

Use the WHYS to fix the WHATS!

1. Be prepared: If you understand why students are struggling, you can help fix what they are struggling with.

2. Be proactive: If we know what they will struggle with in the future,

We can:

Prepare their Mind & Prepare their Mindset

Let's help them to BEGIN TO LIKE MATH!