



Personal exploration  
and social  
interaction are  
foundational to early  
math learning.

## Resources

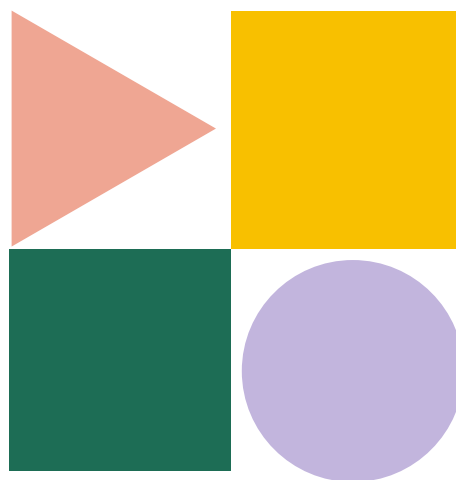
<https://www.learningtrajectories.org/math/learning-trajectories>

<https://numeracyforallab.ca/>

<https://www.goodreads.com/shelf/show/math-concepts>

<https://www.dlmpd.com/all-modules-organized-by-claim/>

<http://www.veryspecialmaths.co.uk/numeracy/index.htm>



# Teaching Mathematics to Students with Rett Syndrome

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## Access Barriers

It's important to understand and make accommodations for the learners' physical and sensory needs to ensure they are able to focus their energy on thinking and communicating about math.

- Are they seated comfortably?
- Can they look at what you're showing them while you're talking?
- Are you inviting their engagement in a motivating way to reduce the effects of apraxia?
- In what ways can you provide access to manipulation while ensuring their consent and autonomy in learning?

## The Components of Number Sense\*

- Language
- Quantity/Magnitude
- Numeration
- Equality
- Form of a Number
- Base Ten
- Proportional Reasoning
- Algebraic and Geometric Thinking

\*Valerie Faulkner, 2009



"We need to find ways to adapt experiences and motivate participation."

Les Staves

*Very Special Maths*, 2019, p. 26

## Math Language

### MATH CONCEPTS

Experiences with math concepts can be found in every aspect of daily living. Think of ways you can talk about quantity, shape, space, patterns, sequence, position and direction in the learners' natural environment. Model high-frequency math words with AAC to encourage math talk across contexts.

### THINKING SKILLS

As learners explore and talk about math concepts, they will develop more and more sophisticated schema to make sense of the world around them. Meaningful discussions about math will help them to develop good reasoning and problem-solving skills.

### HIGH-FREQUENCY WORDS

Look for these words in the learners' AAC systems and become more intentional about using them daily:

all, none, some, more, less, up, down, left, right, here, there, now, later, if, then, big little, tall, short, top, bottom, middle, in, out, over, empty, full, slow, fast, same, different, first, last, on, off