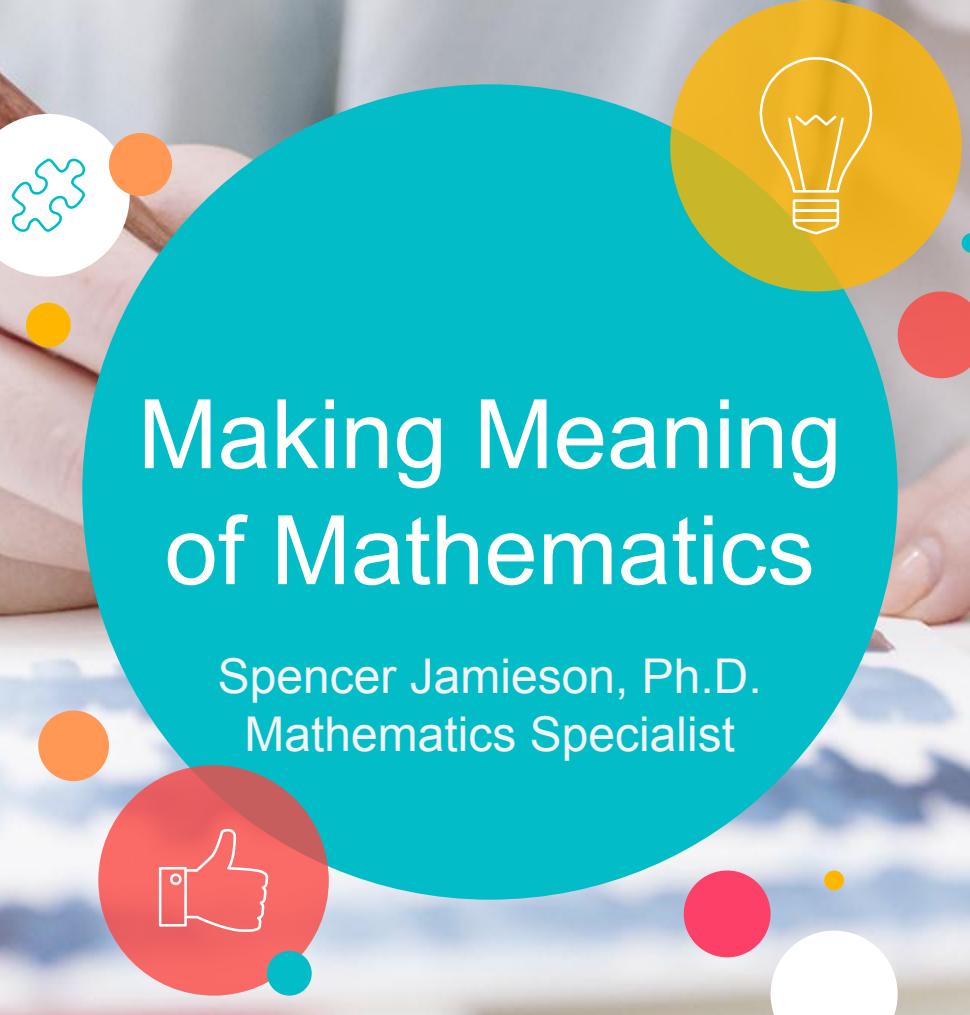


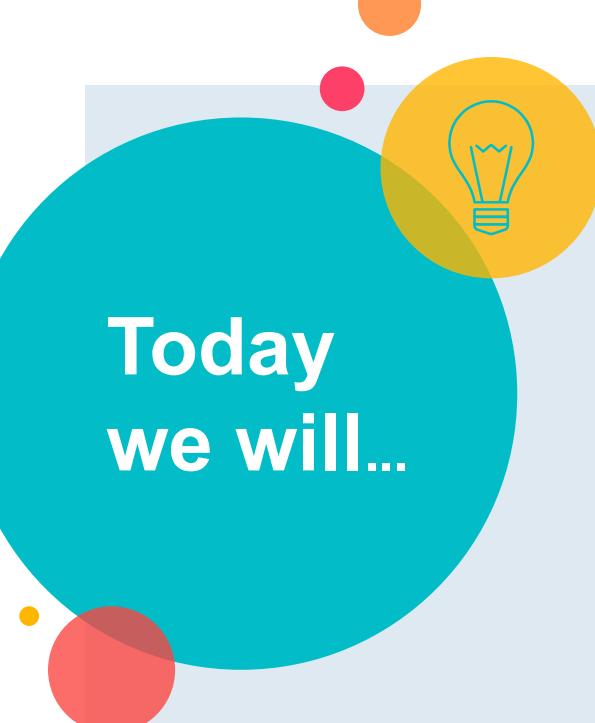
# Making Meaning of Mathematics

Spencer Jamieson, Ph.D.  
Mathematics Specialist



- As a STUDENT math for me was like \_\_\_\_\_, because\_\_\_\_\_.





Today  
we will...

- Talk about mathematics pathways in FCPS
- Focus on 3 big ideas to help your child in mathematics



# Student-Centered Goals

## Goal 1: Strong Start, Pre-K–12

Every student will develop foundational academic skills, curiosity, and a joy for learning necessary for success in Pre-K through 12th Grade.

## Goal 2: Safe, Supported, Included, and Empowered

Every student will experience an equitable school community where student health and well-being are prioritized, and student voice is centered.

## Goal 3: Academic Growth and Excellence

Every student will acquire critical and creative thinking skills, meet/exceed high academic standards, and achieve their highest academic potential.

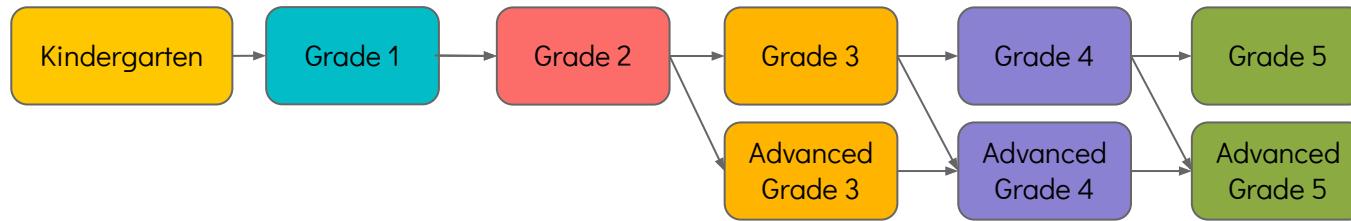
## Goal 4: Equitable Access and Opportunity

Every student will have access to high-quality academic programming and resources to support their success.

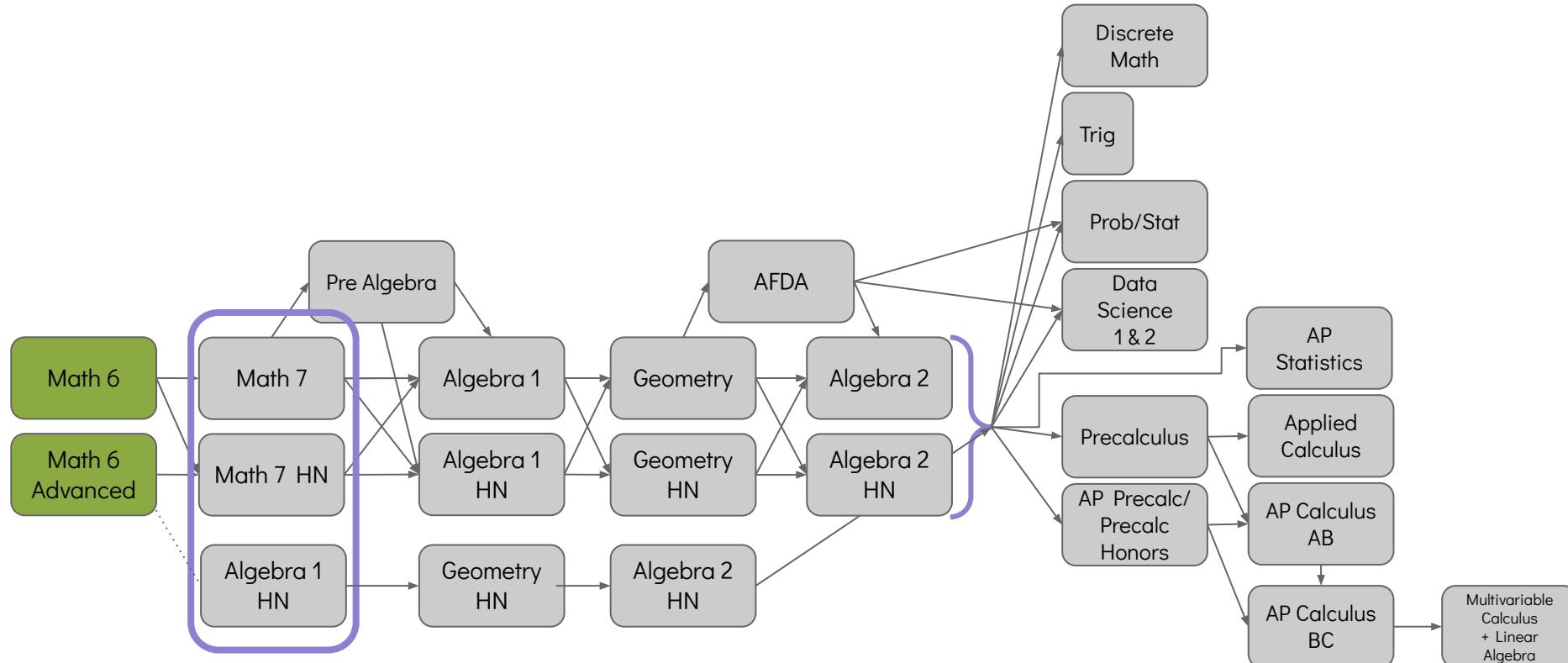
## Goal 5: Leading for Tomorrow's Innovation

Every student will graduate ready to thrive in life after high school and with the skills to navigate, adapt, and innovate for a sustainable future.

# Math Pathways Grades K-5



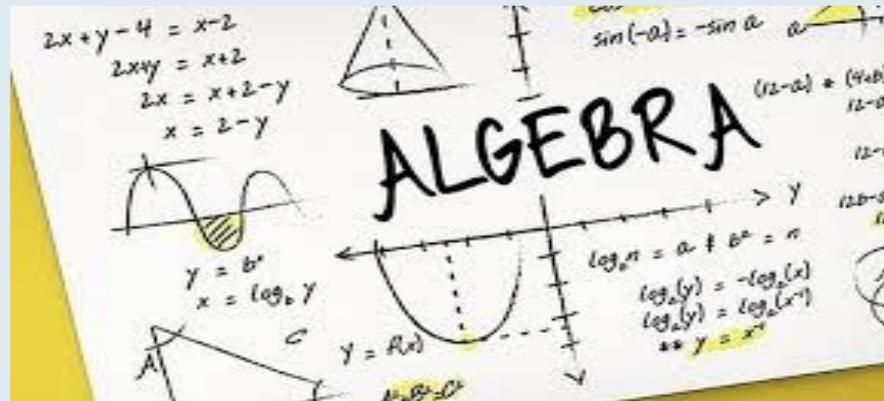
# Math Pathways Grades 6 - 12 (AP)



## 7<sup>th</sup> Grade Mathematics Courses



Both Mathematics 7 **and** Mathematics 7 Honors prepares students for Algebra 1 or Algebra 1 Honors in Grade 8.





How do I help  
my child?

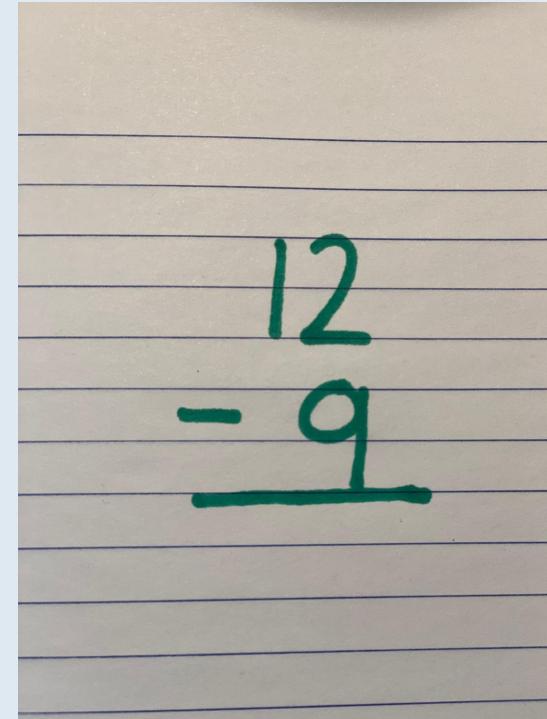


## How is Math Different?

$$2 + 1 = 3$$



# Focus on Understanding



12  
- 9

A photograph of a subtraction problem handwritten in green ink on a sheet of light brown lined paper. The problem consists of the number 12 on the first line and a subtraction sign followed by the number 9 on the second line. A horizontal line is drawn under the 9, indicating the subtraction is being performed below it.



# Focus on Understanding



12  
- 9



## Focus on Understanding



QUESTIONS



# Which One Doesn't Belong



Which  
One  
Doesn't  
Belong



$$\frac{1}{2}$$

$$\frac{5}{3}$$

$$\frac{2}{10}$$

$$\frac{2}{5}$$



What do you notice?

What do you wonder?

Where is the math?



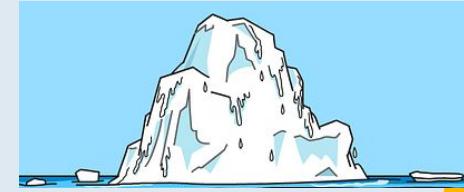
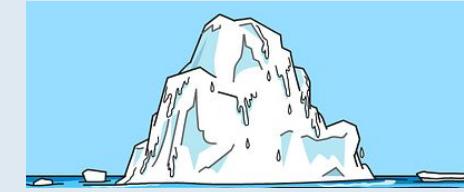
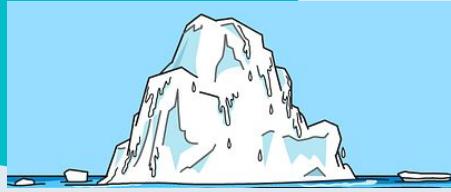
# Ask Questions



# Focus on Questioning

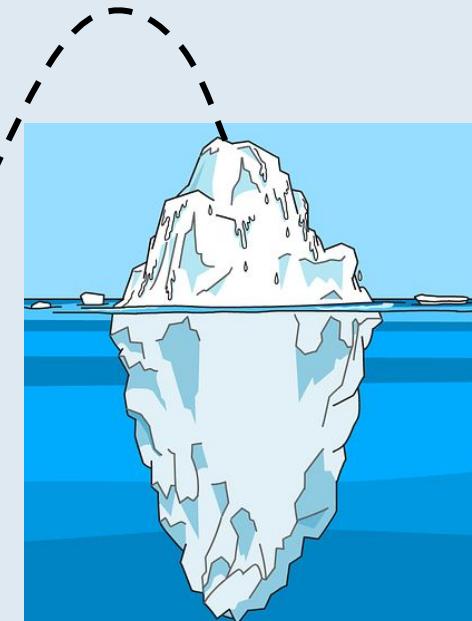
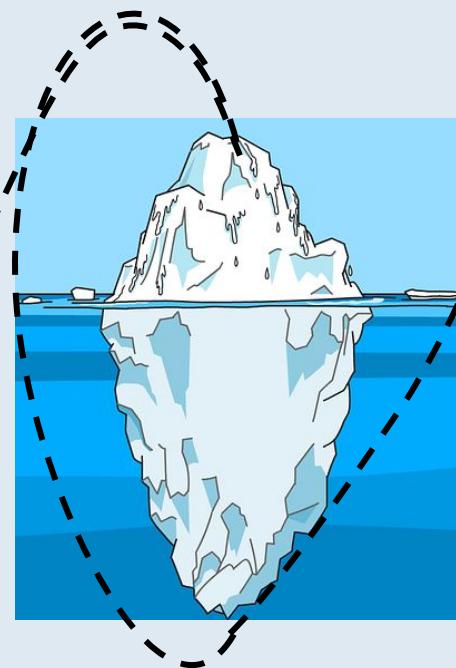
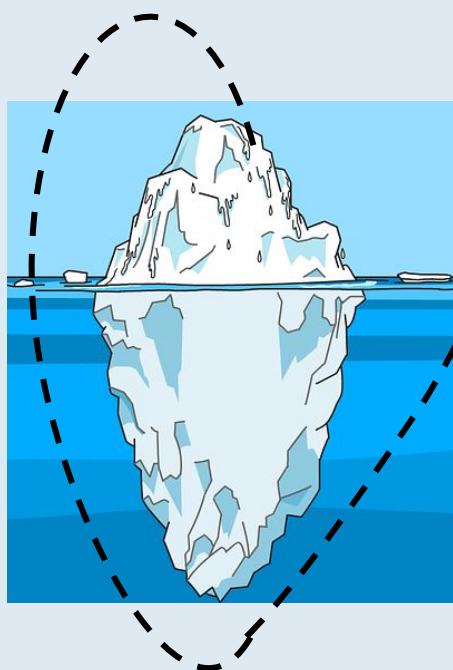
- What do you notice?
- What do you wonder?
- Where is the math?

# Jumping from Skill to Skill





# Going Deeper and Seeing the Big Concept



Math Takes Time

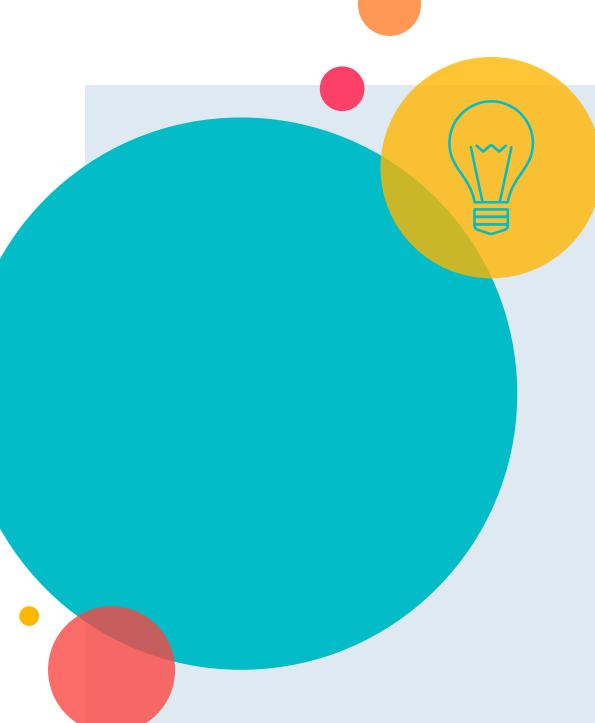




## 3 Things to Support Your Child in Math

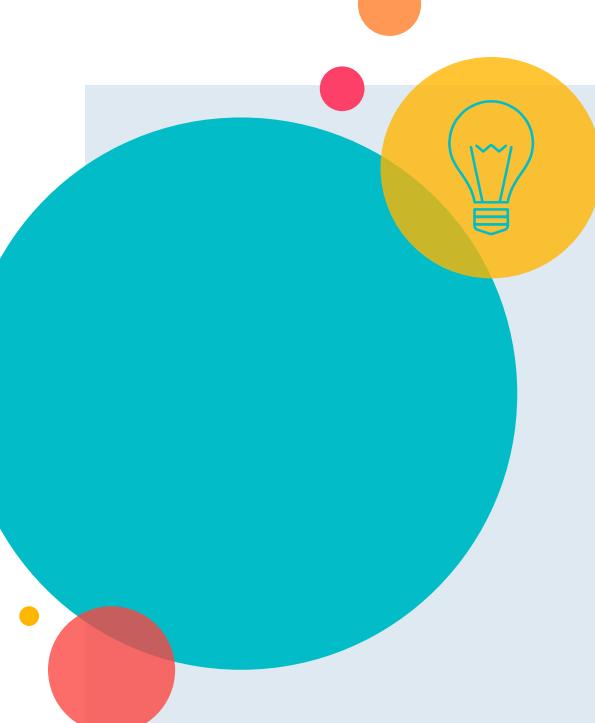
1. Focus on Understanding
2. Asking Questions
3. Math Takes Time



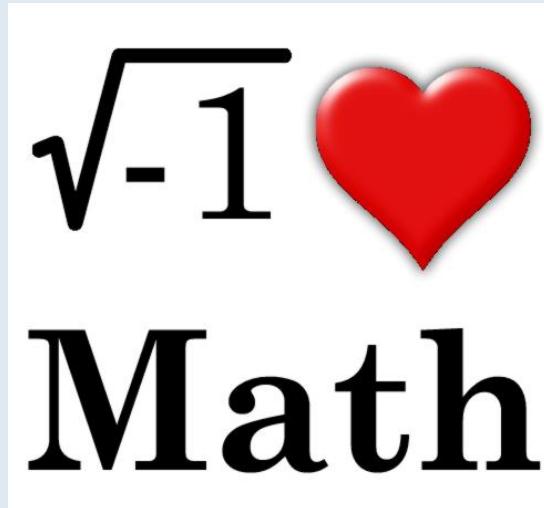


# Be a Math Person





If you love Math...  
Your child will Love Math



$\sqrt{-1}$  ❤

Math





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