# Math Curriculum Project

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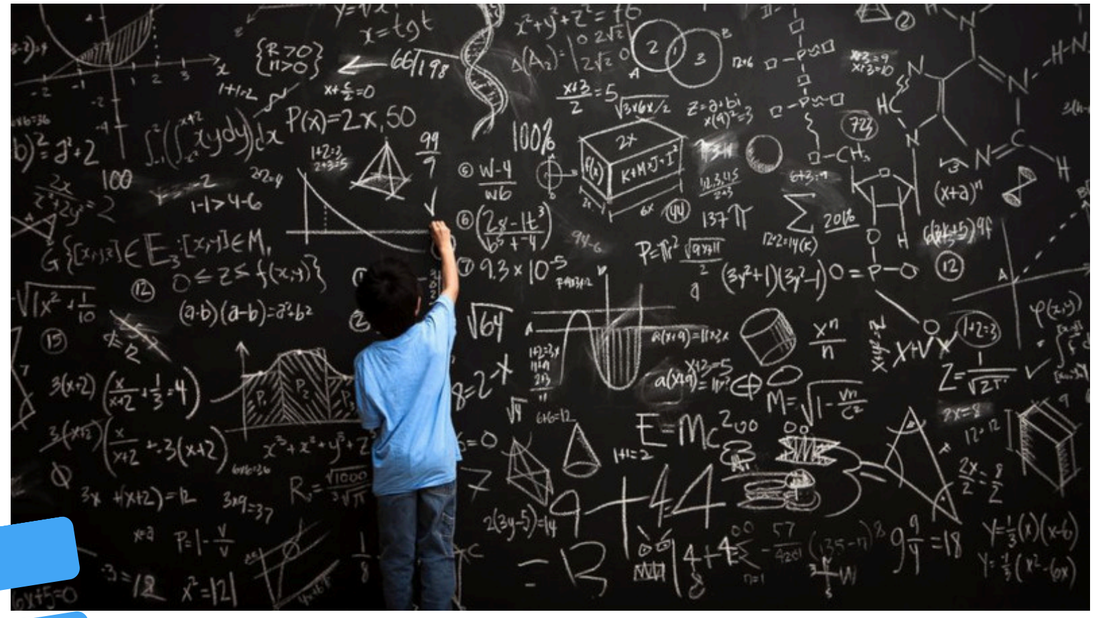
# Math In Action

- Title of Unit: Math in Action
- Grade: 3rd Grade
- Subject: Math
- Purpose/Overview
  - This unit is meant to introduce fundamental math skills that are vital to master as students continue to progress throughout their math careers
  - Teaching students to think outside the problem itself, and allowing them to understand  how these concepts are applied to the real world



# Standards

1

3.OA.B.5

Apply properties of operations as strategies to multiply and divide.

2

3.NF.A.1

Understand a fraction 1/b as the quantity formed by 1 part when a whole is partitioned into b equal parts; understand a fraction a/b as the quantity formed by a parts of size 1/b.

# Learning Objectives:

## Students will be able to...

Day 1: SWBAT Multiply numbers 1-5 using a times table chart
Day 2: SWBAT multiply numbers 5-10 using a times table chart
Day 3: SWBAT finds the area of squares and rectangles.
Day 4: SWBAT Understand and explain what a fraction is and verbally explain the process.
Day 5: SWBAT multiply fractions with common denominators in both visual and computational methods
Day 6: SWBAT uses multiplication and fraction knowledge in terms of real-world problems

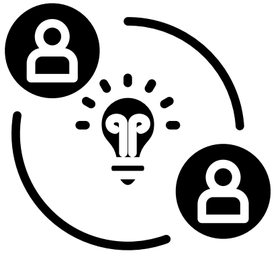
# Activities:

1. Bags of candy to show that multiplication is similar to addition.
2. Mad minute quiz
3. Measure the area of 2D pieces of paper
4. Think of pies/pizza/foods at home and split it up among the number of people in their family
5. Watch a video and apply their knowledge through a worksheet.
6. National Geographic magazine to interact and engage in numbers representing a statistic/fraction relevant to the current event/issue.

# Assesments

Formal

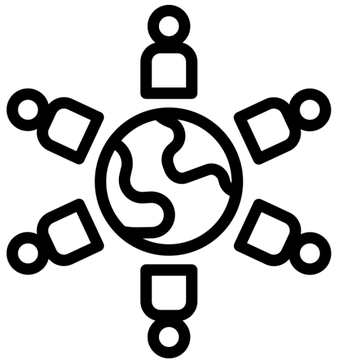
- Test 1 (Multiplication)
- Test 2 (Fractions)
- Final Project



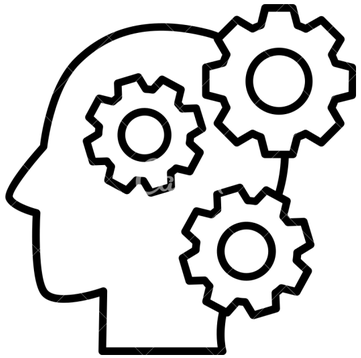
Informal

- Mad Minutes
- Participation
- Collaboration

# Addressing Inequality







## Cultural Compentence

- Tenet #2 from CRP
- Representation of multiple identities and ways of knowing/learning
- Allowing students to bring parts of their own culture inside the classroom so they do not feel they need to leave it at the door

## Critical Consciousness

- Tenet #3 from CRP
  - Connecting content to broader social and political concepts or purpose
- Applying mathematical concepts to current events/ issues to keep the students up to date with what is happening in the world, not only in their city/town