## Welcome to Math (September 2020)

## GRADES 1-3

## Three Main Suggestions for Starting in September:

## 1. Prioritized Learning Standards

2. Finding Out What Your Students Know (strength based) diagnostic and formative assessment
3. Ways to Support Your Students (Instructional Routines and Open tasks)
a. Opportunities for Outdoor Learning
b. Adaptations for At Home Learning
c. Adaptations for Virtual Learning

## 1. Prioritize the Learning Standards

All mathematics curricular content and competencies are important and connected, but when having to prioritize learning standards, such as during Covid-19 times, idea of what is essential, foundational or core has emerged. In this time of varied learning, as begin the new school year we need to be mindful of what mathematics learning is essential for students to continue their learning at the next grade level.

The following questions can be considered in prioritizing essential learning standards:
What is new curricular content at the grade level? Look at the grade levels before to see what curricular content is being introduced at the grade level. For examples, fractions, multiplication and division are all new concepts introduced in grade 3.

What curricular content is necessary to review, practice and enhance knowledge of, that is essential for next

## GRADE 1



GRADE 2

## GRADE 3

| Prioritized <br> Curricular Content | Essential Curricular <br> Competencies | Indicators of <br> Proficiency | Instructional and Assessment <br> Practices |
| :--- | :--- | :--- | :--- |
| Place value |  |  |  |
| understanding to |  |  |  |
| 1000 |  |  |  |

Fluency with $+/-$ facts

Addition and subtraction of two and threedigit numbers

Introduction to multiplication, division and fraction concepts

## 1. Finding Out What Your Students Know (strength based)

## Using Instructional Routines

An instructional routine is a familiar structure with an open-ended task where more time is spent on the learning of mathematics. A good routine provides all students opportunities to do mathematics and gives teachers insight into student thinking. Assessment is built into the routine and allows
proficiency. Instructional routines should be intentionally planned to move learning forward in response to where students are in their mathematical thinking.

## Considerations:

and ways to
record the information ~indicating strengths (e.g. post it notes, check lists)
Create a community atmosphere about sharing thinking and respecting one another.
Start with an open-ended prompting question.
Provide for student time to think, share and reflect.

What to Look for by Grade - Indicators of Proficiency

## What to Look For...Consideringthe Proficiency Incicators

What level of proficiency are the students demonstrating?


Counting Collections

Open Questions based on Prioritized Learning Standards:

## GRADE 3

You start at 100 and skip count forward by 25 s. What is a number you are sure you will not say? How do you know? (e.g. I will not say 248 because I count 200, 225,250 . I will not say 248)
There are 8 hamburger buns ins a package. How would you estimate the number of packages needed to feed

