

# Lakewood's 2022-2023 School Plan for Numeracy

## FOCUS OF IMPROVEMENT

Area of focus:

**Numeracy**  
**Kindergarten to Grade 5**

Action Area:

**Incorporate the framework of student-centered learning (Cognitively Guided Instruction) with a focus on problem solving.**

Desired Outcome:

**Students will strengthen their conceptual understanding, improve the accuracy of number operations, and increase their ability to solve problems with greater independence.**

How this will be assessed:

- \*On-going formative assessments**
- \*Evidence of learning and assessments throughout all three terms**

Essential knowledge, skills, and dispositions students need to achieve the success criteria:

- growth mindset**
- to be exposed to multiple ways of solving problems (and to be aware that there are multiple ways to solve problems)**
- opportunities to practice (guided and independent)**
- relevant math vocabulary**
- reasoning skills**
- computational fluency and accuracy**

## ROLES AND RESPONSIBILITIES

Desired Teaching Products and Performance

Teachers will:

- learn about CGI (through reading the books and watching videos)**
- learn about the Development of Mathematical Reasoning (DMR) and how it relates to student's learning**
- use the Divisional Common Assessment tasks as a guide to learning and going deeper with student understanding**
- partner with the numeracy coach to set learning goals, analyze student thinking, and plan next steps.**

**Specific evidence of improved teacher practice:**

**Teachers need to:**

- understand CGI (vocabulary) and how to implement problem solving as student-centred
- understand the development of the mathematical reasoning continuum and know when/how students move through the phases
- observe students and listen to how they show their understanding
- determine students' strengths (i.e., their current reality) and next steps to move learning forward
- use perseverance
- understand the Depth of Knowledge and how the Divisional Common Assessments can be a guide to ensure tasks go beyond surface level learning.

**Desired Team Product and Performances:**

**Our Team will:**

- meet to discuss vocabulary and student growth (CGI common assessments) in vertical and horizontal groups
- observe and listen to how students solved the problem (Do they understand what the problem was asking? Do they understand why they found the solution they did and is it reasonable?).

**Essential knowledge, skills, and dispositions the team needs to achieve the success criteria:**

**Our Team needs:**

- to have willingness to collaborate and share student work (grade groups)
- to support each other
- perseverance