Board Learning Session: Numeracy

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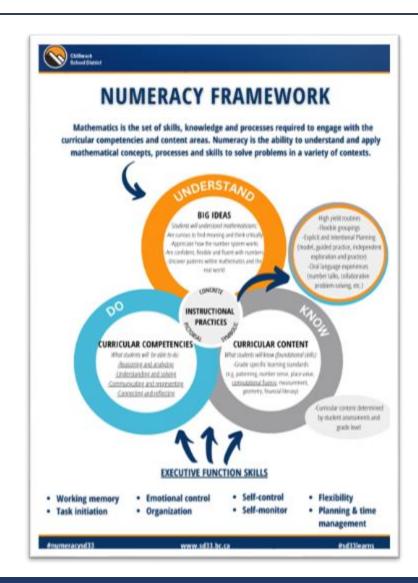
~One heart, one mind, working together for a common purpose~

Partners in Learning



SD33 Numeracy Updates

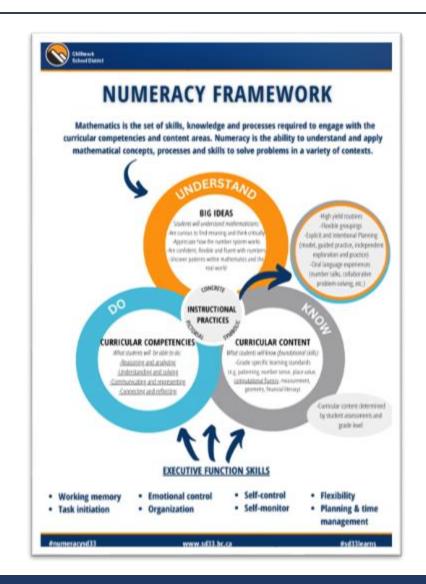
- Numeracy Framework
- Elementary Numeracy Collaboration
 - $\,\circ\,$ Classroom assessment practices
 - \odot SNAP refresh 2-5
 - $\,\circ\,$ River & Forest SNAP K-1
 - $\,\circ\,$ Number fact fluency
- New Initiatives





Comprehensive Numeracy Framework

- Aligns with BC Curriculum
- Identifies high quality instructional practices
- Amplifies the importance of competencies, computational fluency and the executive functioning skills required to engage as mathematicians





Elementary Numeracy Collaboration & SNAP

How **teachers** use SNAP data:

- Creating class profiles to plan for smallgroup instruction and other interventions
- \odot Creating year plans to target area of need
- Reporting/communicating progress to students and parents
- Clarification of rubrics and templates to ensure a level of consistency

| NS: Communicating & Representing Picture Box, Describe, Expanded Form | | NS: Understanding & Solving 3 Equations | | NS: Connecting & Reflecting Analistic Connection, Aeflection | | NS: Reasoning & Analyzing Number Line, Skip Counting | | |
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Elementary Numeracy Collaboration & SNAP

How **schools** use SNAP data:

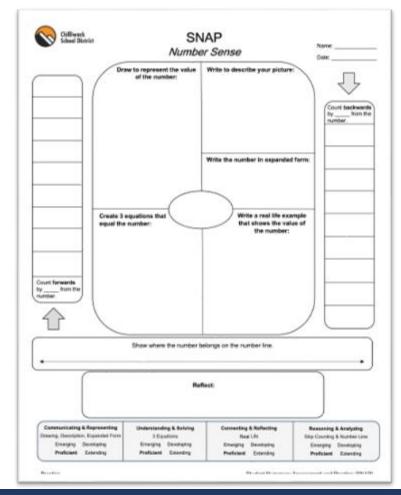
- Identifying curricular areas of need at various grade levels or as a whole school
- \circ Planning 90-day cycle goals
- Purchasing and providing resources to support high quality instruction

| NS: Communicating & Representing Picture Box, Describe, Expanded Form | | NS: Understanding & Solving 3 Equations | | NS: Connecting & Reflecting Real Life Connection, Reflection | | NS: Reasoning & Analyzing Number Line, Skip Counting | |
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Elementary Numeracy Collaboration & SNAP

- How the **District** uses SNAP data:
 - \odot Targeting curriculum support in specific schools
 - Identifying and addressing areas of need district-wide (e.g. developing resources to support the conceptual understanding of division)
 - \odot Tracking long-term trends in district numeracy





River and Forest SNAP - The Background Story

- Collaborative partnership between the Indigenous and Math Departments.
- Integrates First Peoples Principals of learning with numeracy concepts.
- Aligned with BC Curriculum for Number Sense.
- Developmentally appropriate through play-based learning principles





River and Forest SNAP In The Classroom

- Play-Based Numeracy kit that focuses on Number Sense.
 O Honours the power of story that naturally fits with Indigenous holistic learning.
 O Whole Class, Small Group and Zoom-In lessons.
 - $\,\circ\,$ Math Manipulatives to support student learning.
- Place-Based Mat Amanda Ned's Art
 - $\,\circ\,$ Indigenous Enhancement Teachers teach Sto:lo stories connected to the land.
 - $\,\circ\,$ Gives all students an entry point for learning.
 - $\,\circ\,$ Assessment is gathered through Observational Data Sheet.



Forest SNAP - Survey February 2025

- 22% Used the Forest SNAP as their primary math resource
- 78% Useful supplement for whole class, small group, and math stations
- **100%** Found it easy to implement and use once they had experience with the lessons and elements of the kit



Forest SNAP Lesson

• Interactive Read Aloud – Ten Frame Focus

Combining Literacy and Numeracy

○ Using different ways to show comprehension

of Number Sense Concepts to 20

 \circ Working on Oral Language skills





New Initiatives

- Math Support in Middle Schools

 Connected to our Middle School Project with Leyton Schnellert, UBC Professor
 Middle school "Math Monday" residencies at MSMS and Stitó:s
- Story Studio K-1

Partnership with District Teacher Libarian and Indigenous Education Department
 Connect story to number concept through place-based learning



River SNAP - Testimonial

The resources found in the SNAP kit are the fundamental concepts we need to teach in Kindergarten and are presented in a way that is clear, concise and extremely approachable. I am honestly blown away by my student's math progress and knowledge this year. The SNAP kit takes a play-based approach to math which is one of the reasons it has been so effective in my class.

Kara Lafurgy

Kindergarten Teacher - Leary Integrated Arts and Technology Elementary