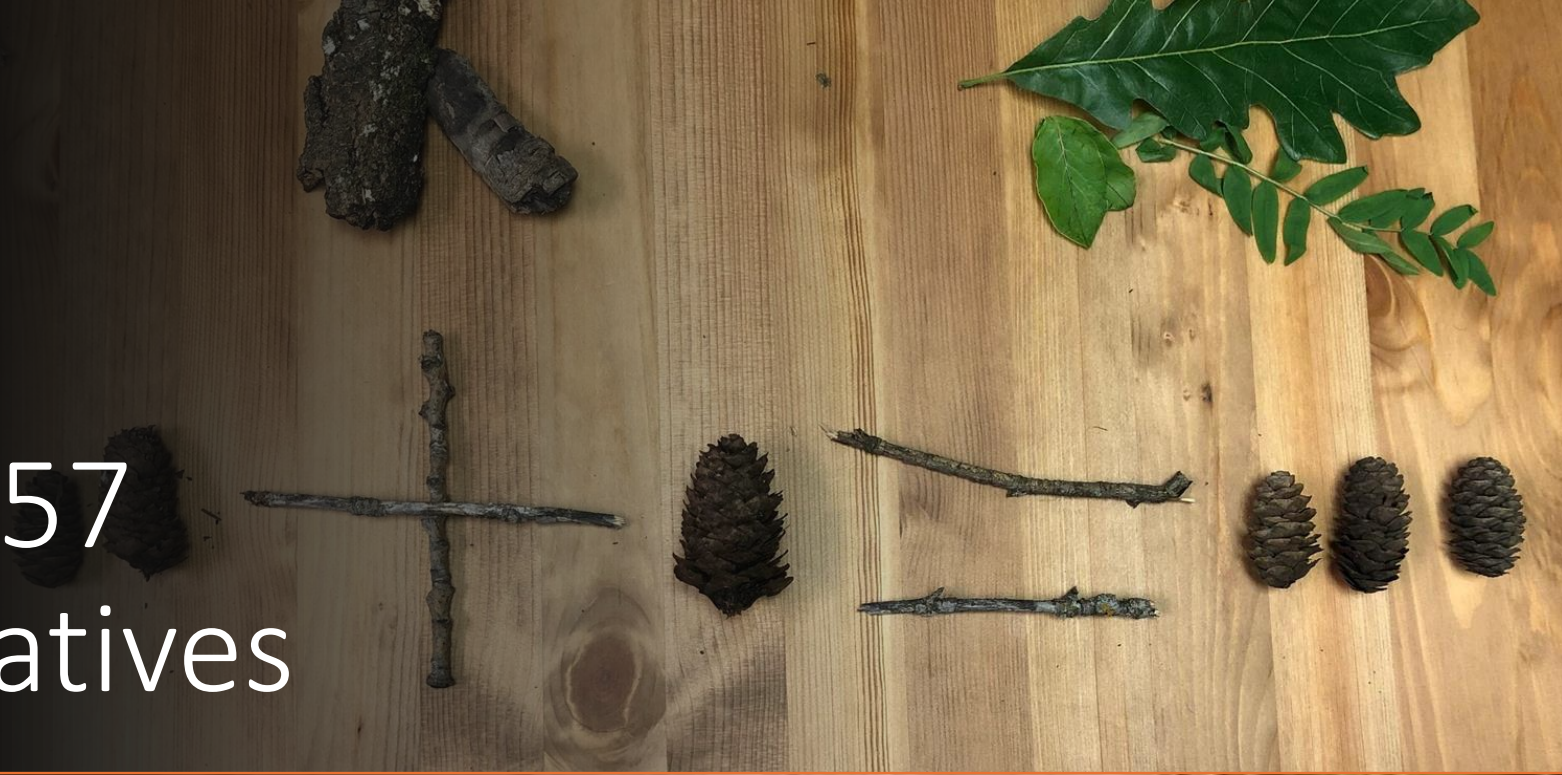


School District 57 Numeracy Initiatives



District Numeracy Committee

- Develop a numeracy plan for SD57 to increase student success.
 - Components:
 - Data
 - Direction
 - Development



Develop a district wide set of principles describing the foundations of effective math/numeracy instruction.

- o What does an effective math classroom look like?
- o How do we create mathematical mindsets in students?

HOW TO BE A MATH PERSON:

STEP 1:
DO MATH
(ANY TYPE)

STEP 2:
BE A PERSON



How do we support teachers in the classroom and transform mathematics instruction for all students?

- o Professional Development
§ Carole Fullerton
- o Elementary Math Leads
- o Principal/Vice Principal Learning Group
- o Model Classrooms



Facilitating math and numeracy development in schools

- **Model Classrooms**
- **Collaboration Blocks**
- **Classroom Support**
- **Numeracy Nights**
- **Professional Development/Presentations**



Model Classrooms/ Collaboration Blocks

Model Classrooms

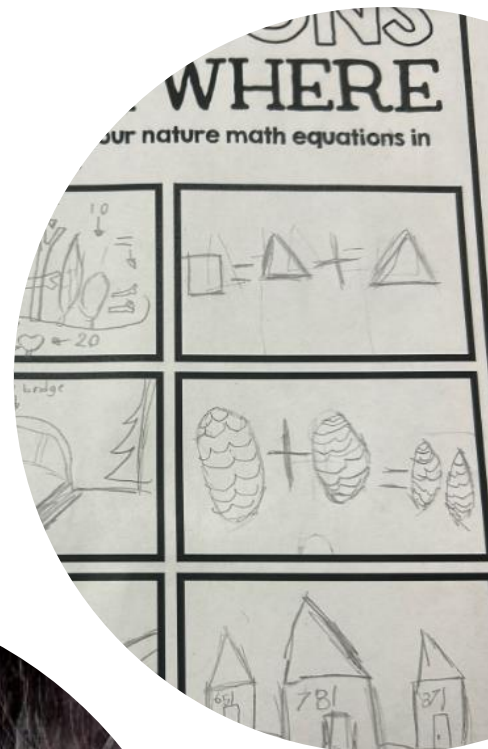
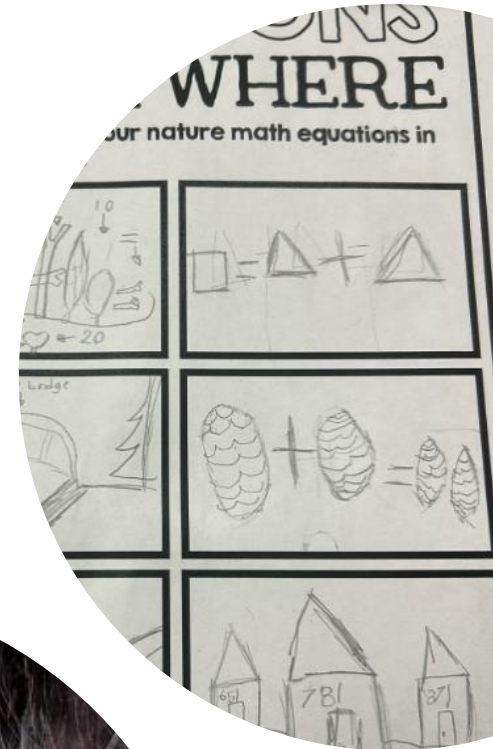
- Pre-conference, lesson observation, post-conference
- Highlight specific resources and topics
 - My Math Path
 - Fractions

Collaboration

- Meet weekly/monthly with a pair/group of teachers, set goals, explore resources, discuss best practices for a math class
- Built into schedules for internal coverage & after school

Classroom Support

- **Planning – lessons, units and year plans**
- **Model lessons–allow teachers to view students with a new lens**
- **Exploration of resources– My Math Path, MathUp, High yield routines**
- **Support with SNAP, implementation, scoring, best practice**
- **Small group support when time allows**
- **Working with school support staff**
- **Math walks**
- **Projects–Finding math in Indigenous Stories**



Numeracy Nights

- Open house with numeracy focus
- Family games nights with leadership students facilitating games
- UNBC Teacher Candidates



Professional Development/ Presentations

Indigenous Day of Learning

- Finding Math in Indigenous Stories/Math Catcher

Staff Meetings/PLC Time

- Presenting at staff meetings and during PLC times

Primary Report Writing Day

- Literacy/Numeracy Support Session for Education Assistants



Fact Fluency & Problem Solving

- **Fact Fluency** – ability to perform basic math operations (such as addition, subtraction, multiplication, and division) accurately and quickly without relying on counting strategies or external aids.
- **Problem-solving** – the process of engaging in a task for which the solution is not immediately known. It involves identifying the problem, analyzing the given information, selecting or developing an appropriate strategy, applying mathematical reasoning, and verifying the solution.

