

# Framework for Enhancing Student Learning



SCHOOL DISTRICT 5  
SOUTHEAST KOOTENAY

## School District No. 5 (Southeast Kootenay) Numeracy



September 2026

# Numeracy

## Numeracy Goals and Strategies

### Intellectual Development

|                         |                                                                                                                                                                                                                                       |
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| <b>Goal</b>             | Build teacher capacity to implement responsive instructional and assessment practices that foster conceptual understanding, student agency, self-efficacy, and emotionally safe environments for mathematical thinking and discourse. |
| <b>Expected Outcome</b> | Centring culturally responsive instructional and assessment practices will create more equitable achievement outcomes for all students.                                                                                               |
| <b>Target</b>           | Close differential outcomes on grade four FSAs between Indigenous and Non-Indigenous students by 4 percent.                                                                                                                           |

| <b>Student Centred Assessment and Instruction Practices</b><br><b>Through the Lens of the 4 R's (<i>Kirkness &amp; Barnhardt, 1991</i>)</b>                                                                                                  |                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                       |
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| <b>Respect</b><br><br><b>honouring</b><br><b>Indigenous</b><br><b>pedagogies (*)</b>                                                                                                                                                         | <b>Relevance</b><br><br><b>ways to consume</b><br><b>and communicate</b><br><b>knowledge</b>                                                                                                                               | <b>Responsibility</b><br><br><b>access to power,</b><br><b>authority, and</b><br><b>opportunity</b>                                                                                                                                                                                  | <b>Reciprocity</b><br><br><b>producer and</b><br><b>consumer of</b><br><b>knowledge</b>                                                                                                               |
| <p>Create mathematically safe learning environments where students feel comfortable sharing ideas, taking risks, and learning through productive struggle.</p> <p>Value and elevate diverse mathematical strategies and ways of knowing.</p> | <p>Spiral critical number sense concepts across grades.</p> <p>Increase opportunities for mathematical discourse, reasoning, and collaborative problem solving.</p> <p>Present tasks through meaningful contexts, oral</p> | <p>Implement responsive assessment practices that provide timely feedback and support student growth.</p> <p>Use formative assessment to identify strengths and guide instruction/intervention</p> <p>Implement standards-based assessment practices (clear proficiency scales).</p> | <p>Support collaborative professional learning through co-teaching, coaching, classroom inquiry, and shared reflection.</p> <p>Foster mathematical discourse through questioning, explaining, and</p> |

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| Use hands-on learning, visual models, and collaborative structures to support accessibility and inclusion while deepening conceptual understanding. | storytelling, and real-world connections. | Foster student reflection, confidence, and ownership of learning in mathematics. | collaborative thinking.<br><br>Strengthen connections between classrooms, schools, families, and the broader community to support positive mathematical experiences. |
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## Key Initiatives

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| <b>Assessment and Best Practice Working Group</b>                           | <ul style="list-style-type: none"> <li> Collaborative working group focused on responsive math assessment practices</li> <li> Explore formative assessment strategies and meaningful evidence of learning</li> <li> Develop common understandings around number sense development and intervention supports how to spiral</li> </ul>                                                                                                                                                       |
| <b>Strengthening Middle Years Numeracy</b>                                  | <ul style="list-style-type: none"> <li> Inservice focused on building powerful numeracy instruction for Grades 6–9 through proportional reasoning, fractions/decimals, and conceptual intervention strategies.</li> <li> Support discourse-rich instruction, collaborative problem solving, and classroom routines that foster mathematical thinking, confidence, and engagement.</li> <li> Provide co-teaching and classroom-based coaching cycles for interested teachers</li> </ul> |
| <b>Building Mathematical Thinking, Confidence &amp; Understanding (K–7)</b> | <ul style="list-style-type: none"> <li> Professional learning focused on creating mathematically safe and collaborative classroom communities that support student voice, confidence, and engagement.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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|                                            | <ul style="list-style-type: none"> <li> Strengthen additive and multiplicative reasoning across K–7 classrooms through responsive number sense routines and small group instruction.</li> <li> Explore the use of manipulatives, visual models, discourse, and CRA approaches to deepen conceptual understanding and support productive struggle.</li> </ul>                                                                                                                                                                                                                                                                                                                                                           |
| <b>Math Fact Fluency</b>                   | <ul style="list-style-type: none"> <li> Inservice on how to assess and practice math facts based on the work of Jennifer Bay-Williams</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Collaborative Professional Learning</b> | <ul style="list-style-type: none"> <li> Support collaborative professional learning through coaching, co-teaching, and classroom-based inquiry</li> <li> Continue district numeracy book clubs and demonstration classroom opportunities</li> <li> Provide opportunities for cross-grade collaboration to strengthen understanding of numeracy progression</li> </ul>                                                                                                                                                                                                                                                                 |
| <b>Community Connections</b>               | <ul style="list-style-type: none"> <li> <b>East Kootenay Teacher Education Program (EKTEP through University of Victoria):</b> Collaborating with Maureen Farish around supporting Teacher candidates with numeracy.</li> <li> <b>Basecamp Math:</b> Collaborating with schools to promote numeracy and resiliency through positive messaging and engaging games during a family math night.</li> <li> <b>Parent University:</b> Facilitating workshops with parents around addition, subtraction, multiplication, and division strategies. Helping parents understand how we teach so they can help their children.</li> </ul> |

## Summary

The District Numeracy Plan is grounded in the Framework for Enhancing Student Learning goals of improving student success, strengthening instructional practice, and fostering equitable

and inclusive learning environments. Through responsive, culturally relevant teaching, ongoing formative assessment, collaborative professional learning, and a focus on conceptual understanding, the District aims to build strong mathematical thinking, confidence, and agency in all learners. By strengthening number sense, discourse, and problem-solving across grades, and prioritizing support for Indigenous students and those with diverse learning needs, the District is working to improve achievement outcomes and reduce disparities in numeracy performance.