

| 2021-2022 - Professional Learning Plan - Numeracy - K-12 | | | | | | |
|--|--|---|-----------------------------------|------------------|--|--|
| Priority: Focus | Initiative | Details and Timeline | Grade(s) | # of Schools | # Teachers/School | Monitoring |
| Elementary | | | | | | |
| ACH: Improve Math Achievement | MathUP Classroom Implementation | Allocation of permanent licences to grade 6-8 Teachers: Brick and Mortar (October) St. Anne Academy Grade 4-8 (September) Professional Learning Opportunities will be offered - 3 code days (Introduction, Assessment, Planning) (October - December). Co-teaching/co-planning on demand (October - June) | St. Anne 4-8 Brick and Mortar 6-8 | 169 | St. Anne - 93 Brick & Mortar varies by school 2+ | Usage data Student and Teacher Feedback Ongoing Assessment |
| ACH: Improve Conditions for Learning | | | | | | |
| HRE: Culturally Responsive Pedagogy & Instructional Equity | | | | | | |
| MHWBE: Improve Student Mental Health & Well Being | | | | | | |
| ACH: Improve Math Achievement | Mathology - Digital Platform Access | Allocation of licenses to Grade 1 - 3 teachers St. Anne - distribute remaining licenses to Brick and Mortar teachers (354 Board licenses) | 1 - 3 | 169 | St. Anne - 63 at least 1 per school | Usage data Student and Teacher Feedback Ongoing Assessment |
| ACH: Improve Math Achievement | | | | | | |
| LRR: Early Reading & Math | Special Education and Math - Special Project | 60 MathUP Classroom Licences allocated to ISS teachers (October) - work with APTs, AT teams to support Grade 4,5, 6 and Special Education teachers using Math Up Classroom, Equatio to support student achievement in mathematics - with a focus on identified students. | 4, 5, 6 and Spec Ed | 15 (ISS Schools) | 4 | Usage data Student and Teacher Feedback Ongoing Assessment Monthly Check-in based on locally developed assessments |
| ACH: Improve Conditions for Learning | | | | | | |
| ACH: Improve Math Achievement | Co-Planning/Co-Teaching | October - June - On demand | K-8 | 169 | varies | Student and teacher engagement Feedback Surveys Observational Checklist |
| ACH: Improve Conditions for Learning | | | | | | |
| MHWBE: Improve Student Mental Health & Well Being | | | | | | |
| ACH: Improve Math Achievement | Zorbis Math Adventure | October - June | K-3 and Spec Ed. | 169 | varies (at least 3 per school) | Usage data Student and Teacher Feedback Ongoing Assessment |
| ACH: Improve Conditions for Learning | | | | | | |
| HRE: Culturally Responsive Pedagogy & Instructional Equity | | | | | | |
| LRR: Early Reading & Math | | | | | | |
| ACH: Improve Math Achievement | Explore Learning Gizmos | Increase registration and use of Gizmos in the Mathematics lesson (October - June) by offering professional learning and co-teaching opportunities in partnership with Explore Learning | 7 -8 | 169 | all grade 7 and 8 teachers in the board | Usage data Student and Teacher engagement and feedback |
| ACH: Improve Conditions for Learning | | | | | | |
| HRE: Culturally Responsive Pedagogy & Instructional Equity | | | | | | |
| MHWBE: Improve Student Mental Health & Well Being | | | | | | |
| ACH: Improve Math Achievement | Special Education Mathematics Support | Support Special Education and APT with developing, implementing and monitoring IEP's with a special focus on the N/A IEP. | Special Ed. Teachers and APT's | 169 | All Special Education Teachers and APT's | Teacher feedback |
| ACH: Improve Conditions for Learning | | | | | | |
| HRE: Culturally Responsive Pedagogy & Instructional Equity | | | | | | |

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| Secondary | | | | | | |
| HRE: Culturally Responsive Pedagogy & Instructional Equity ACH: Improve Math Achievement MHWBE: Improve Student Mental Health & Well Being HRE: Support the Implementation of De-Streaming ACH: Improve Conditions for Learning | In - School Support for Secondary Schools: Participants: All Secondary Schools | Support the Principal in the emerging role as Instructional Leader, to support the engagement of staff, and to support PD development ideas. Timeline: As per request through SOs | 9-12 | 33 | 0 | |
| ACH: Improve Math Achievement ACH: Improve Conditions for Learning HRE: Culturally Responsive Pedagogy & Instructional Equity MHWBE: Improve Student Mental Health & Well Being | In - School Support for Secondary Schools: Participants: All Secondary Schools | Support for school teams Timeline: As requested by Principals & Staff | 9-12 | 33 | 0 | |
| HRE: Culturally Responsive Pedagogy & Instructional Equity ACH: Improve Math Achievement MHWBE: Improve Student Mental Health & Well Being HRE: Support the Implementation of De-Streaming ACH: Improve Conditions for Learning | Cultivate and Develop Math Leadership to build capacity in schools. Participants: All Secondary Schools | Numeracy Leads and Mathematics Department Heads will engage and collaborate in learning sessions. (Topics: EQAO, Edwin, MTH1W, Thinking Classroom, Knowledgehook, Desmos, Gizmos, EquatIO, Coding) Timeline: Continuous throughout year, virtual office hours in accordance with teacher prep schedule | 9-12 | 33 | 0 | Common feedback forms |
| HRE: Culturally Responsive Pedagogy & Instructional Equity ACH: Improve Math Achievement ACH: Improve Conditions for Learning HRE: Support the Implementation of De-Streaming | 1. Professional Learning Modules (Pre-Recorded) Participants: Teachers in Grades 7-12 | Virtual/Hybrid Teaching: Investigate and incorporate tools within high-impact pedagogical practices. These include: - Using EquatIO Mathspace - Using KnowledgeHook for Assessment - Using DESMOS Activities in Math - Coding in New Math Curriculum Timeline: Ongoing | 7-12 | 200 | 0 | Data usage from portal; uptake and Impact Challenge data, and overall growth in system as indicated on KWH dashboard |

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| HRE: Culturally Responsive Pedagogy & Instructional Equity ACH: Improve Math Achievement MHWBE: Improve Student Mental Health & Well Being HRE: Support the Implementation of De-Streaming ACH: Improve Conditions for Learning | Co-Teaching and Co-Planning Participants: Teachers in Grades 9-12 | Supporting teachers in the new math curriculum, implementing tools and high-impact instructional practices. Timeline: September to June | 9 - 12 | 33 | 0 | anecdotal, observation with support teachers |
| HRE: Culturally Responsive Pedagogy & Instructional Equity ACH: Improve Math Achievement MHWBE: Improve Student Mental Health & Well Being HRE: Support the Implementation of De-Streaming ACH: Improve Conditions for Learning LRR: Re-engaging Students | Thinking Classroom: Professional Learning Network with co-teaching, co-planning and reflection of practices Participants: Teachers in Math Grade 9 & 10, Math Department Heads and Administrator | Develop and support the implementation of the Thinking Classroom framework in alignment with De Streaming and New Curriculum Timeline: October to May (6 sessions throughout year with Dr. Peter Liljedahl) | 9 | 33 | 1 | common feedback forms anecdotal student surveys |
| HRE: Culturally Responsive Pedagogy & Instructional Equity ACH: Improve Math Achievement MHWBE: Improve Student Mental Health & Well Being HRE: Support the Implementation of De-Streaming ACH: Improve Conditions for Learning LRR: Re-engaging Students | In - School Support for Secondary School: Participants: Teachers implementing the Thinking Classroom on an as requested basis | Supporting teachers in the new math curriculum, implementing tools and Thinking Classroom Framework Timeline: October to June | 9-10 | 33 | 0 | anecdotal, student evidence, student surveys, observation |