



**DURHAM CATHOLIC
DISTRICT SCHOOL BOARD**
Learning and Living in Faith

Memorandum

To: Board of Trustees

From: Tracy Barill, Director of Education

Date: February 26th, 2024

Subject: Presentation: Curriculum Implementation and Intervention in Math and Language

Origin: Mike O'Neill, Superintendent of Education, Academic Services
Paula Sorhaitz, Superintendent of Education, Student Services

Purpose

Please find attached a copy of the "Curriculum Implementation and Intervention in Math and Language" presentation to the Board of Trustees.

TB/MO/br

Curriculum Implementation and Intervention for Math and Language

DCDSB Board of Trustees

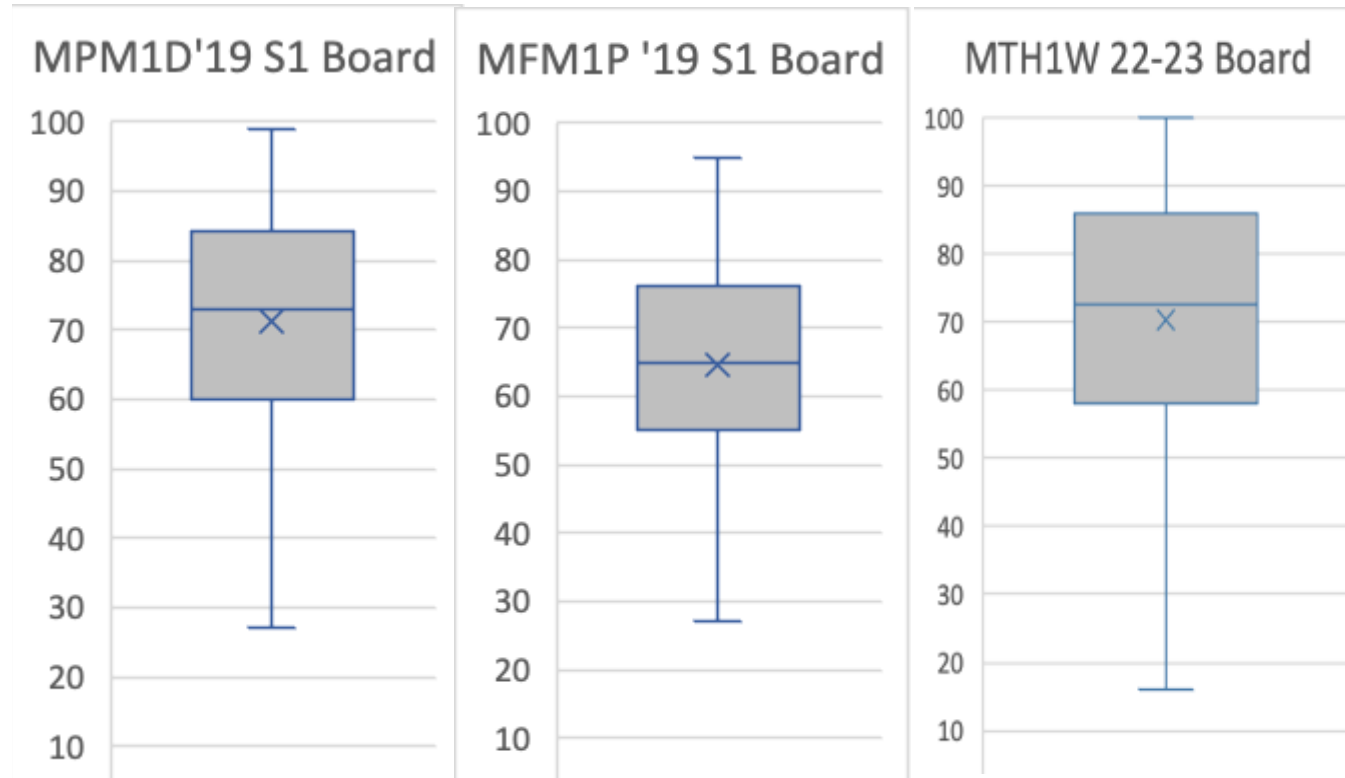
February 26, 2024

Sources of Data to Determine Action and Intervention

Triangulation of data:

- EQAO (cohort and individual strands)
- Semester marks
- Diagnostic data
- Course Choice data
- Attitudinal data
- Screeners
- Observational data (Thinking tasks)

Using Data to Determine Actions: Comparing Report Card Data



Comparing Course Choice

Course	2020-2021	2021-2022	2022-2023
MPM1D	75.1%		
MFM1P	20.5%		
MAT1L	4.3%	5.2%	4.3%
MTH1W		94.7%	95.6%
MPM2D	68%	70.1%	75.7%
MFM2P	27.9%	25.4%	19.8%
MAT2L	4.1%	4.5%	4.5%

Actions to Support Literacy and the new Language Curriculum

Resources for teachers and students

- Open Court Reading Program for Kindergarten
- UFLI (University of Florida Literacy Institute) Phonetic Reading Instruction Manual for all Kindergarten to Grade 3 teachers
- Universal Screener Digital Licences to assess benchmarks in the foundational reading skills of students. *new
- Edsby and Intranet – Structured Literacy resources for teachers

Professional Development and Training

- Summer Reading Institute for educators
- Professional Activity Days Learning in UFLI, Universal Reading Screeners, Structured Literacy and the revised Curriculum
- Sharing of Excellence Learning Series
- Training in the use of Lexia Core 5 (80 teachers)
- 12 School Based Teacher Inquiry Projects (LIFT Funding) in literacy
- Learning Series for PST, ELL teachers and Administrators

Intervention support for Students

- UFLI resource for tier 1 and 2 intervention (scope and sequence for targeted phonetic instruction)
- 6 Literacy Intervention Teachers working daily with Gr 2 students in 10-12 week blocks of intervention in priority schools
- 9 Transition Support Intervention Teachers working in small group or individual intervention
- Lexia Core5 training of staff for individualized intervention with at risk students
- Litguide program for OSSLT preparation
- L2L peer tutoring program

Numeracy Update

- Ministry of Education Math Achievement Plan 2023-24
- All Schools:
 - Numeracy PA Days
 - MathUP Licenses for grades 1 – 9
 - Numeracy Learning through board-wide Professional Development opportunities
- Priority Schools
 - Numeracy Support Intervention Teachers
 - Math Hubs



Professional Development and Training

- Mathematics Content Knowledge sessions provided to all administrators and to teachers; EQAO Data in Action Symposiums
- Math Manipulatives Learning Series for Program Support Teachers, focusing on concrete learning tools
- Professional learning opportunities for Educators (Lunch & Learns, Staff Meetings, PA Days, Divisional Meetings, Summer Institute)

Monitoring Data

- Attendance: Percentage of students who attend 90% or more
 - Baseline Data 65.9%
 - End of Term 1: 70.8%
- Attitudinal Data: Percentage of Students who Agree to "I like math"
 - February, 2024 data: 57.1%
- Diagnostic Assessment Data:
 - Average of 13% increase from October data to February data

Numeracy Update

- MathUP Usage:
 - Just below 60,000 visits to MathUP by DCDSB educators since the start of the 2023-24 school year.
 - 13,440 Visits to MathUP since the return from Christmas holidays in January 2024.
- Mathia Usage:
 - In October, 2023 0/10 priority grade 6 teachers and 9/19 priority grade 3 teachers had activated their account.
 - As of January 2024, 6/10 grade 6 teachers and 16/19 grade 3 teachers have activated their account

Intervention Support for Students

Numeracy Support Teacher – since March 2023

- Provides additional support to students on IEPs in Grades 6 to 8
- Identify gaps, provide explicit instruction, concrete materials, and strategies to improve student learning; foster self-advocacy
- Acts as a medium between Student Services and Academic Services
- 2023-2024 school year – 9 schools; determined based on the % of IEPs to school population and EQAO data for students on IEPs
- Block 1 and 2; revisit schools
- Work with teachers for programming and implementing board Math Action Plan

Math Manipulatives

- Math Manipulatives purchased for every school from K-12 through Student Services Department
- To provide a more hands-on approach to help conceptualize learning
- Program Support Teachers -
Math Manipulatives Learning Series

