COSC

JANUARY 11, 2017

BENCHMARKING TOOLS

- We believe growth and achievement in literacy and numeracy are foundational to student success.
- We believe in data informed decisions.
- We are committed to ensuring that our students' achievement, as informed by reliable and valid data, is optimal.
- The STAR and MIPI benchmarking tool/screener will provide reliable and valid checkpoint data about student learning and growth in literacy and numeracy.
- Gathered data will be available throughout the school year, and will provide confirmation of what we know about our students' learning.
- Gathered data will help determine upon which students' learning we should focus and further investigate.
- Gathered data will contribute to school and divisional analyses of the effectiveness of our instructional practices and programs.

TARGETS

These targets are aligned with Priority 1, Goal 2:

- *More students achieve a minimum of one year's growth in literacy and numeracy.*
- Literacy: Students in grades 1 – 12 will be benchmarked a minimum of two times per school year.
- Numeracy: Students in grades 2 – 10 will be screened once per school year.
- Schools will decide which, if any, students will be exempt from either assessment.
- Each teacher will be aware that this assessment data is available for every student and will access and consider the data as is appropriate and necessary.
- Parents will be made aware that benchmarking and screening will occur and will be made aware results are available.

STAR 360 READING

- STAR is a digitally administered adaptive reading assessment, which informs teachers about students' reading comprehension. STAR generally takes about 20 minutes for students to complete and can be written on any digital device.
- Teachers will administer STAR twice per year to all students in grades 1-12.

STAR

- STAR Reading will be administered to all grades 2-12 students by Sept. 23, 2016.
- School administrators will decide which, if any, students will be exempt from either assessment.
- Grade 1 students will write STAR Early Reading from Feb. 1-24, 2017. Information about administering the assessment will be shared at the Grade 1 teacher retreat on Friday, January 13.
- STAR Reading is designed for students who can read independently. It measures students' reading comprehension and compares their reading achievement to that of students across to the country. The test provides norm-referenced scores for students in grades 1 through 12.

MIPI

- The MIPI is a digitally administered mathematics screening tool, which informs teachers about students' math skills. The MIPI can take students in higher grades up to 50 minutes to complete. Students in lower grades will take about 20 minutes to complete the test.
- Teachers will administer the MIPI at the beginning of each school year to all students in grades 2-10.

MIPI

- The MIPI will be administered to all grades 2-10 students by Sept. 23, 2016.
- The MIPI is intended to be completed by students without the use of calculators or manipulatives. However, a student who uses these resources as part of his/her daily programming may use them to complete the MIPI, as decided by school administration. Principals can exempt students at any grade level who would qualify for similar exemptions as defined by the Provincial Achievement Test (PAT).
- Each MIPI Grade level assessment is based on previous year's mathematics outcomes.
  - E.g. The Grade 5 MIPI is based on Grade 4 math outcomes.
- The MIPI will be administered digitally using Chromebooks. Students may also be provided with paper and/or a paper copy of the MIPI.

Grade	Areas of Strength (>85% responded correctly)	Areas for Growth (<60% responded correctly)
2	• Counting, skip counting (Grade 1, Number, SO 1) • Representing and describing numbers (Grade 1, Number, SO 4) • Repeating patterns (Grade 1, Patterns & Relations, SO 1 & SO 2) • Comparing measurements (Grade 1, Shape and Space, SO 1) • Identifying 2-D shapes (Grade 1, n/a)	• subtraction number facts (Grade 1, Number, SO 10)
3	• Counting, skip counting (Grade 2, Number, SO 1) • Representing and describing numbers (Grade 2, Number, SO 4) • Interpreting pictographs (Grade 2, Statistics and Probability, SO 2)	• Subtraction with answers to 100 (Grade 2, Number, SO 9) • Addition and subtraction with regrouping (Grade 2, Number, SO 9) • Increasing patterns (Grade 2, Patterns and Relations, SO 2)

7	• Factors of numbers less than 100 (Grade 6, Number, SO 3) • Representing percent (Grade 6, Number, SO 5) • Solving equations (Grade 6, Patterns and Relations, SO 4)	• Place value including decimal numbers (Grade 6, Number, SO 1) • Identifying prime numbers (Grade 6, Number, SO 3) • Division with decimal answer (Grade 6, Number, SO 8*) • Order of operations (Grade 6, Number SO 9) • Representing a pattern rule (Grade 6, Patterns and Relations, SO 3) • Calculating area of a rectangle (Grade 6, Shape and Space, SO 3) • Classifying triangles (Grade 6, Shape and Space, SO 4) • Interpreting line graphs (Grade 6, Statistics and Probability, SO 1) • Theoretical probability (Grade 6, Statistics and Probability, SO 4)

WHY NOW?

- We require reliable data to make informed, system-wide decisions;
- We have to approach cautiously:
  - First time through and we need to make some minor adjustments
- Need to triangulate with many other pieces of student work
- Loss of PAT data