



Grade 7 Math

2022-2023

Ms. K. Grey - Rooms 5 and 16

Isaac Newton School

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Grade 7 Math builds on key concepts from grades prior. Students will continue to learn through conceptual, procedural and problem solving based approaches.

As stated in the Manitoba Curriculum, the ***main goals for math education are to prepare students to:***

- *communicate and reason mathematically*
- *use mathematics confidently, accurately, and efficiently to solve problems*
- *appreciate and value mathematics*
- *make connections between mathematical knowledge and skills and their applications*
- *commit themselves to lifelong learning*
- *become mathematically literate citizens, using mathematics to contribute to society and to think critically about the world*

The **7 mathematical processes** will be used to help facilitate math learning in an engaging and meaningful way for students. The 7 processes are:

Communication, Connections, Mental Mathematics and Estimation, Problem Solving, Reasoning, Technology Visualization

Students will be working on vertical non-permanent surfaces to think through problems as groups. The focus being to get students to persevere through a problem and use their content area knowledge in a deeper way.

Expectations

Students are expected to show up to class each day, on time and ready to learn. Students are expected to come prepared to class, participate in lessons and work hard while in class. If a student misses a class, it is their responsibility to find out what they missed and catch up.

Supplies

The following supplies are needed for this class:

Pencil, eraser, loose leaf paper, duotang, calculator, ruler

Assessment

Daily assessment will occur to help guide students' learning and help them to reach their goals.
Summative assessment will be done through quizzes, tests and self assessments.

Evaluation

Each term mark will be broken down into the following categories:

Mental Math—20%

Knowledge and Understand—40%

Problem Solving—40%

Final Assessment—10% of the entire year