

## MATH FOR EXCELLENCE CURRICULUM

### Excel 2

At this level, we continue to use Singapore Math Textbooks.

Note: Difference between Arithmetic and Algebra: Arithmetic is the most elementary branch of mathematics and operates just with numbers. Algebra deals with general statements of relations, utilizing letters, and other symbols to represent specific sets of numbers and values in the description of such relations. In short: Arithmetic operates just with numbers and Algebra operates with numbers and variables.

#### Algebra

1. Algebraic expressions.
2. Ratio and fraction.
3. Ratio and proportion.
4. Percentage. Solving word problems by using the unitary method.
5. Speed and average speed.
6. Complex fractions.

#### Geometry

1. Circles.
2. Graphs.
3. Solving problems with the volume of solids.
4. Angles in triangles and four-sided figures.
5. More challenging problems from geometry.

