

MATH FOR EXCELLENCE CURRICULUM

Excel 1

At this Level the students will be learning from a combination of Singapore Math Textbooks and more challenging math problems. The problems are selected from best textbooks in countries where math is the dominant subject.

Singapore Math Curriculum and the corresponding Textbooks are considered the best in the world, but can still be enriched.

Arithmetics

1. Operations with whole numbers, word problems with whole numbers.
2. Operations with fractions with whole numbers in numerator and denominator. Solving word problems using fractions.
3. Ratios and word problems involving ratios.
4. Decimals.
5. Percentage.
6. Average.
7. Rate.
8. Line graphs.

Geometry

Triangles

1. Area of Triangle. Word problems that include triangles.
2. Different types of triangles.
3. Drawing triangles
4. Angles: Angles in a plane. Angles in a triangle. Word problems.

Four-sided figures

1. Parallelograms.
2. Rhombuses.
3. Trapezoids and deltoids. Word problems.
4. Drawing parallelograms, trapezoids and deltoids.

Volumes

1. Cubes and prisms.
2. Finding the volume of a solid. Word problems.

