

# 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

- Operations with whole numbers, word problems with whole numbers.
- Operations with fractions with whole numbers in numerator and denominator. Solving word problems using fractions.
- Ratios and word problems involving ratios.
- Decimals.
- Percentage.
- Average.
- Rate.
- Line graphs.

### GEOMETRY

#### Triangles

- Area of Triangle. Word problems that include triangles.
- Different types of triangles.
- Drawing triangles
- Angles: Angles in a plane. Angles in a triangle. Word problems.

#### Four-sided figures

- Parallelograms.
- Rhombuses.
- Trapezoids and deltoids. Word problems.
- Drawing parallelograms, trapezoids and deltoids.

#### Volumes

- Cubes and prisms.
- Finding volume of a solid. Word problems.