

## The Middle School Maths Programme

### Overall objectives/ Skills

1. The children in the age group 10-12 years (i.e. year1, 2 and 3 the respectively), working simultaneously in the classroom with 4 Math periods every week.
2. Every week there will be 1 period for Geometry, Algebra, Applications and Arithmetic.
3. Familiarising with the Indian metric system and International metric system and large numbers
4. Basic manipulations (number-signed and unsigned, fraction, decimals)
5. Advanced manipulations (techniques for computation, HCF, LCM etc.)
6. Learning the concept of measurements and quantities
7. Learning the concept of triangles, polygons, circles, solid shapes
8. Learning the concept of practical geometry (constructions)
8. Formulating equations, solving and graphing (Linear equations)

### Academic Year 2011-12

	MS – Year 1 Modules & duration	MS – Year 2 Modules & duration	MS – Year 3 Modules & duration
<b>Arithmetic</b>	June '11 to Mar ' 12 Knowing numbers Division & mixed operation Decimals Fractions Decimal applications	June '11 to Mar ' 12 Decimals applications Introduction to Negative Numbers Factors, Multiples, Powers Fractions	June '11 to Mar ' 12 Mixed applications Signed numbers Laws of computation
Applications	-----	June '11 to Mar ' 12 1. Percentage 2. Ratio	June '11 to Mar ' 12 1.Ratio & Proportion
Algebra	June '11 to Mar ' 12 1.Measurement 2.Functions	-----	June '11 to Mar ' 12 1.Expressions 2.Linear Equation with 1 variable
Geometry	June '11 to Mar ' 12 Basic geometry ideas Elementary shapes, lines and angles	June '11 to Mar ' 12 Basic geometry ideas Finding area and perimeter	June '11 to Mar ' 12 Circles Solid shapes, volume Practical geometry (Construction)