DEPARTMENT OF SCHOOL EDUCATION

TAMIL NADU

Syllabus
2020-21

STANDARD 9

State Council of Educational Research and Training
Chennai 600 006

STANDARD : 9

SUBJECT : MATHEMATICS

Unit	Content
1. Set Language	1.1 Introduction
	1.2 Set
	1.3 Representation of a set
	1.4 Types of sets
2. Real Numbers	2.1 Introduction
	2.2 Rational Numbers
	2.3 Irrational Numbers
	2.4 Real Numbers
	2.5 Radical Notation
3. Algebra	3.1 Introduction
	3.2 Polynomials
	3.3 Remainder Theorem
	3.4 Algebraic Identities
	3.5 Factorization
	3.6 Division of Polynomials
	3.7 Greatest Common Divisor
4. Geometry	4.4 Parts of a Circle
	4.5 Properties of Chords of a Circle
	4.6 Cyclic Quadrilaterals
	4.7 Practical Geometry
5. Coordinate Geometry	5.1 Mapping of the plane
	5.2 Devising the coordinate system
	5.3 Distance between any two points
	5.4 Midpoint of a line segment
6. Trigonometry	6.1 Introduction
	6.2 Trigonometric Ratios of some Special Angles
	6.3 Trigonometric ratios for complementary angles
	6.4 Method of Using Trigonometric Tables

7. Mensuration	7.4 Surface Area of Cuboids and Cube
	7.5 Volume of Cuboids and Cube
8. Statistics	8.1 Introduction
	8.2 Collection of Data
9. Probability	9.1 Introduction
	9.2 Basic Ideas
	9.3 Classical Approach
	9.4 Empirical Approach
	9.5 Types of Events

(*All examples and exercise problems for the content mentioned above)