

ARMY PUBLIC SCHOOL, MUMBAI (2018-19)
STANDARD CURRICULUM

CLASS :- IX

SUB :- MATHEMATICS

<u>Sr. No.</u>	<u>Month</u>	<u>Topic</u>	<u>Activities</u>	<u>Values</u>	<u>Core Values</u>
1	April	NUMBER SYSTEM AND POLYNOMIALS	Interactive interaction, discussion, direct instruction, investigation and problem solving.	Curiosity Awareness of human relations and non living objects Critical thinking Problem solving	Knowledge
2	April	CO ORDINATE GEOMETRY	Interactive interaction, discussion, direct instruction and problem solving.	Higher order thinking Skills Problem solving	Knowledge
3	May	LINEAR EQUATIONS TWO VARIABLES	Interactive interaction, discussion, direct instruction, investigation and problem solving.	Time Managements Gender Sensitive	Environmental Awareness
4	June	INTRODUCTION TO EUCLIDS GEOMETRY	Interactive interaction, discussion, direct instruction, investigation and problem solving.	Punctuality, obedience and honesty Awareness and Conservation of environment Curiosity Confidence Positive outlook	Environmental Awareness
5	July	LINES AND ANGLES	Interactive interaction, discussion, direct instruction and problem solving.	Innovative mindset Critical Thinking Logical Thinking Higher order thinking	Positive Attitude
6.	July	TRIANGLES	Interactive interaction, discussion, direct instruction, investigation and problem solving.	Punctuality, obedience and honesty Awareness and Conservation of environment Curiosity Confidence Decision Making	Positive Attitude
7	August	QUADRILATERALS AND AREAS AND PARALLELOGRAMS	Interactive interaction, discussion, direct instruction and problem solving.	Critical Thinking Logical Thinking Higher order thinking Innovative mindset Problem solving	National Pride Scientific Temper
8	September	CIRCLES	Interactive interaction, discussion, direct instruction, investigation and problem solving.	Reasoning/ logical thinking Critical Thinking Logical Thinking Higher order thinking	Time Management
9	October	CONSTRUCTIONS	Interactive interaction, discussion, direct instruction, investigation and problem solving.	Creative Thinking Awareness and Conservation of environment	Respecting Differences

				Curiosity Confidence Decision Making	
10	November	HERON'S FORMULA	Interactive interaction, discussion, direct instruction and problem solving.	Creative Thinking Curiosity Confidence Problem solving	Health and wellness
11.	December	SURFACE AREAS AND VOLUMES	Interactive interaction, discussion, direct instruction, investigation and problem solving.	Curiosity Confidence Long term vision Problem solving	Health and wellness
12	January	STATISTICS	Interactive interaction, discussion, direct instruction, investigation and problem solving.	Decision making Confidence Discipline Awareness and Conservation of environment	Camaraderie
13	February	PROBABILITY	Interactive interaction, discussion, direct instruction, investigation and problem solving.	Punctuality Awareness and Conservation of environment Curiosity Problem solving	Camaradirie