

NEW ERA SENIOR SECONDARY SCHOOL
MATHEMATICS SYLLABUS (2026-2027)
CLASS –VI

MONTH (No. of days)	TOPICS
APRIL 23 + MAY 2	<u>CH- 3 NUMBERS PLAY</u> <ul style="list-style-type: none"> • <u>Whole numbers</u> • Palindromic numbers • Formation of the smallest and the largest numbers • Clocks and calendar numbers • Kaprekar magic numbers • Adding and subtracting numbers • Simple Estimation of number of objects by observation
JUNE 19	<u>CH -5 PRIME TIME</u> <ul style="list-style-type: none"> • Common Factors & multiples • Perfect numbers • Prime numbers 1 to 100 • Co -prime numbers • Prime factorization • Divisibility test (for 10,5,24 and 8)
JULY 26	<u>CH-10 . THE OTHER SIDE OF ZERO</u> <ul style="list-style-type: none"> • Need of negative numbers and its place on the number line • Representation of integers on a number line • Ordering and comparison • Operations on integers (Addition and Subtraction)
AUGUST 23	<u>CH-9 SYMMETRY</u> <ul style="list-style-type: none"> • Symmetrical and not symmetrical figures/objects • Line(s) of symmetry • Reflection and reflection symmetry • Drawing the figure along the line of symmetry • Rotational symmetry and rotational angle of a figure with radial arms • Symmetry of a circle <u>CH-4 DATA HANDLING</u> <ul style="list-style-type: none"> • Organization of the data using Tally mark • Interpretation of a pictograph • Drawing pictograph • Bar graphs • Drawing a bar graph • Infographics

SEPTEMBER 23	<u>CH - 2 LINES AND ANGLES</u> <ul style="list-style-type: none"> • Point, line-segment, line and ray. • Parallel and intersecting lines and perpendicular lines • Angles ,Naming arms and vertex of an angle • Types of angles (acute, obtuse, right, reflex, straight and complete) • Protractor • Measuring angles • Drawing the angles of given measurement • Angle bisectors • Dividing a circles into parts and angles formed at the centre of the circle. • Angle subtended by the hands of the clock
OCTOBER 23 + NOVEMBER 11	Continue Lines and angles <u>CH 7 . FRACTIONS</u> <ul style="list-style-type: none"> • Fractional of a whole and a collection • Unit fraction • Representation of fraction on a number line • Converting improper fractions into mixed fractions and vice versa • Types of fractions (like, unlike, equivalent) • Comparing fractions • Simplest form of a fraction • Operations of fractions (addition ,subtraction and multiplication)
DECEMBER (23)	<u>CH-8 PLAYING WITH CONSTRUCTIONS</u> <ul style="list-style-type: none"> • Circle and its part (centre, radius, diameter, circumference) • Square and rectangle and their properties • Construction of squares and rectangles • Exploration in rectangles • Construction of square within a rectangle • Shading • Diagonals of rectangles and squares
JANUARY (22)	<u>CH- 6 PERIMETER AND AREA</u> <ul style="list-style-type: none"> • Perimeter of (Triangle, square, rectangle) • Area of a square , rectangle, irregular shapes and triangle • Word problems
FEBRUARY (23)	<u>CH-1 PATTERNS IN MATHEMATICS</u> What is patterns Patterns in numbers(Odd, Even, Triangular, Squares and Cubes) Number sequences Patterns in Shapes
March	Revision

