

SUMMER FIELDS SCHOOL, DLF CITY, PHASE-I, GURGAON

SESSION -2018-19

SYLLABUS DISTRIBUTION

TERM 1

Type of Assessment : PERIODIC TEST 1

CLASS : IX

SUBJECT : MATHEMATICS

PRESCRIBED TEXT BOOKS: NCERT

30th july 2018

LESSON / TOPICS COVERED	TEACHING AIDS USED	SUBJECT ENRICHMENT ACTIVITIES	VALUE(S) INHERENT IN THE CHAPTERS	LEARNING OUTCOME
<ul style="list-style-type: none"> • Number System • Lines and Angles • Polynomials • Coordinate geometry • Euclid's geometry 	<p style="text-align: center;">Smart board, marker, graphs, NCERT</p>	<ol style="list-style-type: none"> 1.To make a square root spiral 2. To verify that sum of angles of a triangle is 180 3. To verify that exterior angle is equal to sum of interior opposite angles 	<p style="text-align: center;">Team work, Accuracy, motivation, sharing</p>	<p>Students</p> <ul style="list-style-type: none"> • Will be able to differentiate between rational and irrational nos. • will be able to represent irrational nos on no. line, will be able to rationalize the denominator of irr. Nos. • Will be able to identify various angles formed by parallel lines and transversal, vertically opposite angles and will be able to apply theorems to find angles • will be able to apply angle sum property and exterior angle property in a triangle. • Will be able to solve problem solving questions from triangle based on finding angles. • Will be able to plot and identify the points plotted on the coordinate axes.

SUMMER FIELDS SCHOOL, DLF CITY, PHASE-I, GURGAON

SESSION -2018-19

SYLLABUS DISTRIBUTION

TERM 1

Type of Assessment PERIODIC TEST -2 (half yearly)

CLASS : IX

SUBJECT : MATHEMATICS

PRESCRIBED TEXT BOOKS: NCERT

(8th SEPTEMBER)

LESSON / TOPICS COVERED	TEACHING AIDS USED	SUBJECT ENRICHMENT ACTIVITIES	VALUE(S) INHERENT IN THE CHAPTERS	LEARNING OUTCOME
<ul style="list-style-type: none">• Heron's formula• Construction• Triangles• Chapters of periodic test 1	Smart board, Reference books, NCERT	<ul style="list-style-type: none">• Crossword puzzle using terms related to above chapters	Generate new ideas with fluency, decision making, Problem solving	Students <ul style="list-style-type: none">• Will be able to apply heron's formula in different aspects of daily life to calculate the area and cost.

SUMMER FIELDS SCHOOL, DLF CITY, PHASE-I, GURGAON

SESSION -2018-19

SYLLABUS DISTRIBUTION

TERM -2

Type of Assessment- PERIODIC TEST 3 CLASS:IX SUBJECT :MATHEMATICS PRESCRIBED TEXT BOOKS:NCERT

(28th december)

LESSON / TOPICS COVERED	TEACHING AIDS USED	SUBJECT ENRICHMENT ACTIVITIES	AV REQ. Y/N	VALUE(S) INHERENT IN THE CHAPTERS	LEARNING OUTCOME
<ul style="list-style-type: none"> • Linear eq. in two variables • Quadrilaterals • Probability • Surface Areas and volumes 		<ul style="list-style-type: none"> i. To verify mid point theorem ii. To explore the similarities and differences between the different quadrilaterals like parallelogram, rectangle , rhombus and square with respect to their diagonals by using threads 	yes	Problem solving, neatness , accuracy	<ul style="list-style-type: none"> • will be able to give a graphical representation of linear equation in two variables. • Will be able to identify and apply properties of various types of quadrilaterals • Will be able to find probability of an event <ul style="list-style-type: none"> • Students will be able to calculate the surface area and volume objects and relate the use of it in daily life(cost of white washing a particular hall , no. of people occupied in a hall etc.). •

SUMMER FIELDS SCHOOL, DLF CITY, PHASE-I, GURGAON

SESSION -2018-19

SYLLABUS DISTRIBUTION

TERM 2

Type of Assessment : FINAL TEST

CLASS : IX

SUBJECT : MATHEMATICS

PRESCRIBED TEXT BOOKS: NCERT

LESSON / TOPICS COVERED	TEACHING AIDS USED	SUBJECT ENRICHMENT ACTIVITIES	VALUE(S) INHERENT IN THE CHAPTERS	LEARNING OUTCOME
<ul style="list-style-type: none">• Areas of parallelograms and triangles• Circles• statistics • Chapters of periodic test 1, 2 and 3	NCERT, reference books. Smart board	<p>iii. To verify that area of two parallelograms on the same base between same parallel lines are equal by paper cutting and pasting</p> <p>iv. .To verify that angle formed at the centre is double the angle formed on the circle by paper cutting and pasting</p>		<ul style="list-style-type: none">• Student will be able to apply theorem of areas of parallelograms and triangle in problem solving questions.• Students will be able to construct frequency polygon, histogram.• Will be able to interpret given histogram, bar graph.• Will be able to apply theorems of circles