

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

SESSION -2018-19

SYLLABUS DISTRIBUTION

TERM-1

Type of Assessment: Periodic Test-1; (APR-JULY)CLASS:VIII; SUBJECT:MATHEMATICS; PRESCRIBED TEXT BOOK: NCERT

| LESSON / TOPICS COVERED | TEACHING AIDS USED | SUBJECT ENRICHMENT ACTIVITY | VALUE(S) INHERENT IN THE CHAPTERS | LEARNING OUTCOME |
|---|-------------------------|---|--|--|
| 1) Rational Numbers 2) Square & Square Roots 3) Cube & Cube Roots 4) Algebraic expression and identities 5) Data Handling | *Smart board *Charts | 1) To find the square of two to five digit number (99^2 to 99999^2) using diagonal method. 2) To verify the identity $(a+b)^2$ by paper cutting and pasting 3) Do a survey of your class and collect data from all students of your class who spent more than 4 hours in watching T.V. represent the collected data in the form of a histogram by paper cutting and pasting. 4) Write how many hours you spent during a day in the following headings (i) School (ii) Home Work (iii) Play (iv) Sleep (v) Watching T.V (vi) others and represent the information in the form of a pi-chart. Mastery Assessment: (1) Square and Square Roots (2) Algebraic Expression | Co- operation Team work Time management Sincerity Accuracy | Students will understand- *To find square & square root of a number by Prime factorisation & long division method *To find square & square root of a number by diagonal & long division method. *. To find cube root by prime factorization and estimation method. * Multiplication and division of algebraic expressions. *Presentation of data by bar graph & Pie-chart. *Study graph and compare different data and to draw conclusion. |

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SYLLABUS DISTRIBUTION

TERM-1

Type of Assessment: Periodic Test-2;(Sep)

CLASS: VIII

SUBJECT: MATHEMATICS

PRESCRIBED TEXT BOOK: NCERT

| LESSON / TOPICS COVERED | TEACHING AIDS USED | SUBJECT ENRICHMENT ACTIVITY | VALUE(S) INHERENT IN THE CHAPTERS | LEARNING OUTCOME |
|---|--|--|---|---|
| 1) Mensuration 2) Factorisation 3) Visualising Solids | *Smart board * charts *Geometry box. | 1) Measuring the dimension of a given solid and then finding its Surface Area, Curved Surface Area and Volume 2) Work Sheet on Visualizing Solids. Mastery Assessment: (1) Mensuration (2) Factorization | Concentration Accuracy Attention Imagination Interpretation Logical Thinking Interest Creativity | Students will understand *To find surface area and volume of solid shapes. *application of area and volume in solving practical problems. |

Syllabus for Periodic Test-2 includes Rational Numbers, Square & Square Roots, Cube & Cube Roots, Algebraic expression and identities, Data Handling, Mensuration, Factorisation, and Visualising Solids

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

SESSION -2018-19

SYLLABUS DISTRIBUTION

TERM-2

Type of Assessment: Periodic Test-3; (OCT- JANUARY)

CLASS: VIII

SUBJECT: MATHEMATICS

PRESCRIBED TEXT BOOK: NCERT

| LESSON / TOPICS COVERED | TEACHING AIDS USED | SUBJECT ENRICHMENT ACTIVITY | VALUE(S) INHERENT IN THE CHAPTERS | LEARNING OUTCOME |
|--|---|---|---|--|
| 1)Introduction To Graphs 2)Exponents 3)Linear Equation in One Variable 4)Direct and Inverse Variation 5)Understanding Quadrilaterals | * Smart board * chart paper * graph paper | 1)Verifying the sum of interiors angle of a quadrilateral is 360° by paper cutting and pasting. 2)Verifying the sum of exterior angles of a polygon is 360° by paper cutting and pasting. Mastery Assessment: (1) Linear Equation in One variable (2) Understanding Quadrilateral | Value for money Independence Interest Observation Creativity Imagination Interpretation | Students will understand *To locate and plot points on graph paper *Application of linear equations in solving practical problems. *Understand the relation between different variables. *Special types of quadrilaterals and parallelograms |

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

SESSION -2018-19

SYLLABUS DISTRIBUTION

TERM-2

Type of Assessment: Yearly Exam (March)

CLASS: VIII

SUBJECT: MATHEMATICS

PRESCRIBED TEXT BOOK: NCERT

| LESSON / TOPICS COVERED | TEACHING AIDS USED | SUBJECT ENRICHMENT ACTIVITY | VALUE(S) INHERENT IN THE CHAPTERS | LEARNING OUTCOME |
|--|--|--|---|---|
| 1)Comparing Quantities 2)Practical Geometry 3)Playing with numbers | * Smart board * chart paper * graph paper * geometry box etc | 1) To calculate equivalent discount when two successive discounts (e.g.: 50% + 50%) of an article is given. 2) Work Sheet on the Activities based on the Chapters done. Mastery Assessment: (1) Exponents (2) Comparing Quantities | Commitment Honesty Regularity Concentration Accuracy Practice habits | Students will be able to understand * To find C.P./S.P/P % and loss % *Construction of quadrilaterals. *Concept of exponents and solving the problems based on exponents *Rules of divisibility and application |

Syllabus for Final Exam includes all chapters done in Term-2 along with Algebraic Expression, Factorisation, and Mensuration