

CLASS-VI
MATHEMATICS

| MONTH | CONTENT/ CHAPTER AND SKILL | LEARNING OUTCOMES | ASSESSMENTS |
|-------|------------------------------------|--|--|
| | | AFTER THE COMPLETION OF THE CHAPTER, STUDENTS ARE ABLE TO | |
| APRIL | CH- 1 (10 PERIODS) NUMBERS | <ul style="list-style-type: none"> • <u>IDENTIFY</u> THE PLACE VALUES OF THE DIGITS. • <u>DIFFERENTIATE</u> BETWEEN INDIAN- INTERNATIONAL PLACE VALUE SYSTEMS. • <u>EXPAND</u> NUMBERS WITH RESPECT TO THE PLACE VALUE SYSTEMS. • <u>ESTIMATE</u> NUMBERS WITH RESPECT TO OPERATIONS. • <u>IDENTIFY</u> AND WORK WITH ROMAN NUMERALS. | <p>PT-I AND HALF YEARLY</p> <p><u>ACTIVITY</u>:- TO UNDERSTAND THE PLACE VALUE OF DIGITS IN LARGE NUMBERS.</p> <p><u>MATERIAL REQUIRED</u>:- A SET OF NUMBER CARDS WITH NUMBER 0 TO 9.</p> <p><u>RESOURCES</u>:- OXFORD TEACHER'S MANUAL [PG 22] TYPE</p> |
| | CH-2 (10 PERIODS) WHOLE NUMBERS | <ul style="list-style-type: none"> • <u>DESCRIBE</u> AND REPRESENT WHOLE NUMBERS ON A NUMBER LINE. • <u>UNDERSTAND</u> PROPERTIES OF THE BASIC FOUR OPERATIONS | <p>PT-I AND HALF YEARLY</p> <p>MODEL MAKING ON REPRESENTATION OF WHOLE NUMBERS</p> |

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| MAY | CH- 6 (18 PERIODS) | <ul style="list-style-type: none"> • SOLVE PROBLEM INVOLVING ADDITION AND SUBTRACTION OF INTEGERS • FIND THE ABSOLUTE VALUES OF INTEGERS. | HALF YEARLY ACTIVITY:TO REPRESENT INTEGERS ON NUMBER LINE AND PERFORM ADDITION AND SUBTRACTIONS OF INTEGERS BY MOVING STEPS(PHYSICAL ACTIVITY) |
| JUNE | SUMMER VACATIONS | | |
| JULY | CH- 7 (15 PERIODS) FRACTIONS | <ul style="list-style-type: none"> • DEFINE DIFFERENT TYPES OF FRACTIONS. • CONVERT FRACTIONS TO LOWEST FORM. • COMPARE AND ADD/ SUBTRACT FRACTIONS. | ASSESSMENT: HALF YEARLY CRAFT ACTIVITY : MAKE A FRACTION BIRD |

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| JULY | CH-8 (15 PERIODS) DECIMALS | <ul style="list-style-type: none"> • <u>DEFINE</u> DECIMAL NUMBERS. • <u>REPRESENT</u> DECIMAL ON NUMBER LINE. • <u>APPLY</u> MATHEMATICAL OPERATIONS ON DECIMAL NUMBERS. • <u>APPLY</u> DECIMAL NUMBERS IN REAL LIFE. | HALF YEARLY ACTIVITY: REPRESENTATION OF DECIMALS USING GRIDS |
| AUGUST | CH- 3 (12 PERIODS) PLAYING WITH NUMBERS | <ul style="list-style-type: none"> • <u>UNDERSTAND</u> THE ORDER OF CALCULATION IN MATHEMATICAL EXPRESSIONS. • <u>DEFINE</u> FACTORS AND MULTIPLES, PRIME AND CO- PRIME NUMBERS. • <u>UNDERSTAND</u> THE DIVISIBILITY TESTS. | HALF YEARLY ACTIVITY: DISCUSSION MAY BE DONE IN WHICH STUDENTS WILL BE ASKED TO CHOOSE NUMBERS FOR THEMSELVES AND GENERATE SOME OF THEIR MULTIPLES, FACTORS |
| | CH- 4 (15 PERIODS) BASIC GEOMETRICAL IDEAS | <ul style="list-style-type: none"> • <u>DESCRIBE</u> GEOMETRICAL IDEAS LIKE LINE, LINE SEGMENT, OPEN AND CLOSED FIGURES, ANGLE, TRIANGLE, QUADRILATERAL, CIRCLE, ETC., WITH THE HELP OF EXAMPLES IN SURROUNDINGS. | HALF YEARLY ACTIVITY: DISCUSSION WILL TAKE PLACE IN ORDER TO IDENTIFY AND MEMORIZE THE PROPERTIES OF GEOMETRICAL SHAPES |
| | CH- 13 (8 PERIODS) SYMMETRY | <ul style="list-style-type: none"> • <u>ABLE</u> TO FIND AND DRAW LINES OF SYMMETRY OF POLYGON AND ALPHABETS | HALF YEARLY ACTIVITY: DRAW THE LINES OF SYMMETRY OF ALL THE ALPHABET |
| SEPT | Half Yearly Assessment- Chapters- 1,2,3,4,6,7,8,13 | | |

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| OCT | CH-5 (15 PERIODS) ELEMENTARY SHAPES | <ul style="list-style-type: none"> • DRAW AND MEASURE DIFFERENT LINE- SEGMENTS AND ANGLES • <u>IDENTIFY</u> POLYGONS AND 3-D SHAPES | ASSESSMENT:ANNUAL EXAMS ACTIVITY: DRAW THE DIFFERENT 3- D SHAPES SKETCHES ON ISOMETRIC DOT PAPER OR GRAPH PAPER. |
| | CH- 11 (20 PERIODS) ALEGEBRA | <ul style="list-style-type: none"> • <u>DIFFERENTIATE</u> BETWEEN VARIABLES AND CONSTANTS • <u>REPRESENT</u> STATEMENTS INTO EXPRESSION | ASSESSMENT: PT-II AND ANNUAL EXAMS |
| NOV | CH- 9 (15 PERIODS) DATA HANDLING <u>SKILLS</u> OBSERVATIONAL ANALYSING INTERPRETATION LOGICAL REASONING | <ul style="list-style-type: none"> • <u>IDENTIFY AND ORGANIZE</u> DATA IN FREQUENCY CHART, PICTROGRAPH AND CREATE A BAR GRAPH | ASSESSMENT: ANNUAL EXAMS ACTIVITY:COLLECT AND ORGANIZE DATA OF BIRTHDAYS OF ALL STUDENTS OF CLASS MONTHWISE DRAW BAR GRAPH |
| | CH- 10 (20 PERIODS) MENSURATION | <u>DEFINE</u> AND CALCULATE THE AREA AND PERIMETER OF SQUARE AND RECTANGLES <u>SOLVE</u> WORD PROBLEM | ASSESSMENT: PT-II AND ANNUAL EXAMS ACTIVITY: FIND THE AREA AND PERIMETER OF MATHS BOOK AND NOTEBOOK BY USING RULER |
| DEC | <u>PTII-10,11</u> | | |

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| JAN | CH- 12 (15 PERIODS) RATIO AND PROPORTION | <ul style="list-style-type: none"> • <u>UNDERSTAND</u> RATIO AND PROPORTIONS. • <u>COMPARE</u> RATIOS. • <u>UNDERSTAND</u> THE UNITARY METHOD TO SOLVE PROBLEMS. | ASSESSMENT: ANNUAL EXAMS WORKSHEET WILL BE GIVEN. |
| | CH- 14 (20 PERIODS) PRACTICAL GEOMETRY | <ul style="list-style-type: none"> • <u>ABLE TO</u> DRAW DIFFERENT ANGLES USING PROTRACTOR AND COMPASSES. • <u>ABLE TO</u> DRAW THE LINE-SEGMENT AND THEIR PERPENDICULAR BISECTOR | ASSESSMENT: ANNUAL EXAMS DRAW AND SHOW DIFFERENT BY THE TWO HAND'S OF CLOCK ON SCRAP BOOK |
| FEB | REVISION | | |
| MARCH | ANNUAL EXAM5,,7,9,10,11,12,14 | | |