CARMEL CONVENT SR SEC SCHOOL ,RATANPUR,BHOPAL.
STD: VI
SUBJECT: MATHEMATICS

| Month / No of Working Days | Name of the Unit / Chapter/Topic | Learning Outcomes | Suggested Activities/ Projects under Internal Assessment/PRACTICALS | Assignment | Assessment |
| :---: | :---: | :---: | :---: | :---: | :---: |
| APRIL | Chapter-1 Knowing our umbers Chapter-2 Whole numbers | compare two numbers ,form greatest and smallest numbers with or without repeating the digits ,express numbers and number names in Indian and International system of numeration, Develop problem solving and solve real life problems,Indroduce Natural numbers, Whole numbers, successor and predecessor of a given number, properties of whole numbers | Place value chart of Indian and International system of numeration | Find the greatest and smallest numbers,Write the numeralsWrite number names according to Indian and International system of numeration, Word sum Write the successor and the Predecessor of numbers,find the sum and product by suitable rearrangement, |  |
|  |  |  | Sudoko based on sixteen consecutive numbers |  |  |
| JUNE | Chapter-3 <br> Playing with <br> numbers <br> Exercise 3.1,3.2 | Recall factors and multiples, prime and composite numbers, | To find the factors of a given number by activity method | Wrte all factors, Write first five multiples,Five pairs of prime numbers less than 20 whose sum is divisible by 5 |  |
| JULY | Chapter-3 <br> Exercise 3.3,3.4, <br> 3.6,3.7 <br> Chapter-4 <br> Basic Geometric <br> ideas | Common factors and common multiples,HCF,LCM, problemms on HCF and LCM, Recall basic concepts of |  | Find common factors, find common multiples,Use the figure to | PT-1 <br> (CH 1 \& 2 ) |


|  | $\begin{aligned} & \text { Exercise 4.1,to } \\ & 4.3 \end{aligned}$ | geometry,define different terms and visualize by drawing figures, differentiate betweencollinear and noncollinear points, defferentiate betweenparallel lines and intersecting lines,open and closed curves, define, draw angle and parts of angles |  | name, Name the angles in the given figure |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| AUGUST | Chapter-5 Understanding Elementry shapes Chapter-6 Integers | Under stand the basic geometrical concepts,classify angles, Classify the different quadrilaterals, visualise differnt 3D shapes and identify similar types from the surroundings Recall the number system, find absolute value of given integers Represent integers on the number line, learn to add and subtract integerson number line, apply differnt operations and simplify them, solve problems | Subtraction of Integers by activity methods | Name the types of angles Name the types of triangles according to angles and sides What fraction of a clock wise and anti-clock wise revolution does the hour hand of aclock turn through |  |
| SEPTEMBER | Term-1 SYLLABUS-Chapter-1 to 6 |  |  |  | $\begin{aligned} & \hline \text { TERM- } 1 \\ & \text { CH 1-6 } \end{aligned}$ |
| OCTOBER | Chapter-7 <br> Fraction <br> Chapter-8 <br> Decimal <br> Exercise-8.1 to <br> 8.5,8.6 questions <br> $1 \& 2$ | Recall fraction, classify fraction in different types, identify and find equivalent fraction,compare and arrange them in ascending and descending order, understand basic | To compute fractions equivalent to a given fraction, | Find equivalent fractions, solve the text book exercise of addition and subtraction, To identify number of fraction for given denominator, |  |


|  |  | operation and apply the method application based problemrecall fractions and decimal numbers recognize place value and place of each digit in the given number, express the decimal in expanded form, convert the decimal in to fraction and vice versa, compare two decimals, understand operations,solve application based problem | Activity on place value of decimals | to show the fraction in number line write the decimalsin words, expanded form of decimals and fractions, write the decimal numbers , represent decimals on numberlines |  |
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| NOVEMBER | Chapter-9 <br> Data handling <br> exercise 9.1 <br> Chapter-10 <br> Menstruation | Collect data and put into tabular form, interpretation of a pictograph Recall perimeter by calculating the boundaries of any closed <br> figure, understand and apply the required formula to find their required perimeter, understand and apply concept of area in finding of any object , apply problem solving skill and require calculation in real life problems | Area of irregular figures, <br> Experimental learning activity To deduce the formula of area of square by activity method | Find the perimeter of irregular figure, find the perimeter of rectangle and square, To find area of rectangle and square by formula, calculation of area and perimeter has in our daily life |  |
| DECEMBER | Chapter-11 <br> Algebra <br> Exercise 11.1 | Introduction and examples variables constant, using Pattern of matchsticks, use pf variables in common Rules |  | Written questions on representing statements as algebraic expression | $\begin{aligned} & \hline \text { PT-2 } \\ & \text { CH } 7 \& 8 \end{aligned}$ |
| JANUARY | Chapter-12 Ratio and proportion Revision | Reduce fractions in to simplest form and learn to write them as ratios, | To examine equivalent ratios | Change the ratios in simplest form,find |  |

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|  |  | Recognize and <br> convert the ratios <br> into equivalent <br> ratios, correlate <br> equivalent fractions <br> to proportion and <br> apply the same to <br> continued <br> proportions, apply <br> the knowledge in <br> solving problems <br> on higher order <br> thinking skills, solve <br> problems on unitary <br> method | Fun with ratios and <br> proportion | equivalent <br> ratios problems <br> of unitary <br> method |  |
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|  |  |  |  | TERM-2 <br> CH 7-12 |  |
| FEBRUARY | Term-2 <br> SYLLABUS - <br> Chapter <br> $7,8,9,9,10,11 \& 12$ |  |  |  |  |
| MARCH |  |  |  |  |  |

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SIGNATURE OF THE SUBJECT COORDINATOR:

