



BISHOP SCOTT BOYS' SCHOOL

STUDENT CURRICULUM MANUAL

Subject : MATHEMATICS

Class : VI

Academic Plan : 2025 -26

Month	Course Description	Learning Outcome	Activity	No. of Periods	Portion for PT & TERM Assessment
April	Chapter : 1 Number System	<ul style="list-style-type: none">• The students will be able to recognize the numbers by their place value and face value.• The students will be able to identify the numbers collectively as the groups of ones, tens and hundreds.• The students will be able to perform addition and subtraction for larger values.	To verify that multiplication is commutative for natural numbers.	16	
May	Chapter : 2 Mathematical Patterns	<ul style="list-style-type: none">• Students will be able to understand about patterns in numbers.• Students will be able to find or locate patterns• Students will be able to understand the repeating patterns.• Students will be able to know about increasing & decreasing number of patterns.	An activity to demonstrate Koch Snowflake sequence.	8	
June	Chapter : 3 Whole Numbers	<ul style="list-style-type: none">• Students will be able to learn and apply the property of whole numbers in simplifying calculations.• Students will be able to recognize the predecessor and successor of a given number.	To verify that addition is commutative for whole numbers by paper cutting and pasting method.	7	Portion for P.T-1 Examinations:- Ch:1- Number System Ch:2- Mathematical Patterns

Month	Course Description	Learning Outcome	Activity	No. of Periods	Portion for PT & TERM Assessment
July	Chapter:4 Prime Time	<ul style="list-style-type: none"> • Students will be able to understand the concept of prime numbers, differentiate them from composite numbers. • Students will be able to identify prime factors, and perform prime factorization. • Students will be able to apply divisibility rules to determine if a number is divisible by another number without performing long division. 	To find prime numbers from 1 to 100 by Eratosthenes Sieve's method	9	
	Chapter : 5 Number Play	<ul style="list-style-type: none"> • Students will be able to identify number patterns through factorization in order to recognize and appreciate (through patterns) the broad classification of numbers as even, odd, prime, co-prime, etc. • Students will be able to apply the concept of HCF or LCM in order to solve problems in a real-life situation. 	An activity to show pallindromic number by reversing and adding the digits formed.	10	
August	Chapter : 9 Lines and Angles	<ul style="list-style-type: none"> • Students will be able to recognise an angle as an acute, obtuse, or right angle. • Students will be able to use protractor and compass for constructing and measuring angles. 	An activity to represent various types of angles by paper folding and cutting method.	9	Portion for Term 1 Examinations:- Ch:1 Number System Ch:2- Mathematical Patterns Ch:3- Whole Numbers Ch:4- Prime Time Ch:5- Number Play Ch:9- Lines and Angles Ch:11- Symmetry
	Chapter : 11 Symmetry	<ul style="list-style-type: none"> • Students will be able to identify lines of symmetry of different shapes. • Draw the mirror image of the given 2D shapes or objects and identify objects with reflection symmetry. • Give example(s) and discuss the applications of reflectional symmetry in real life. 	An activity to determine the number of lines of symmetry of rectangle, square, equilateral triangle, isosceles triangle using paper folding and pasting method	6	

Month	Course Description	Learning Outcome	Activity	No. of Periods	Portion for PT & TERM Assessment
September	Revision for half-yearly examinations				
October	Chapter : 6 Integers	<ul style="list-style-type: none"> • Applies addition and subtraction rules involving positive and negative integers and solve real life problems. • Students will be able to represent integers with their signs and differentiate positive number, negative number and zero from each other. • Students will be able to determine the order of integers and represent them on a number line and draw comparison between them. 	To verify experimentally that addition of integers is commutative.	9	
November	Chapter : 7 Fractions	<ul style="list-style-type: none"> • Students will be able to compare, add, and subtract fractions. • Students will be able to represent fractions on a number line. • Students will be able to identify different types of fractions. 	To find the product of two fractions experimentally.	10	Portion for P.T-2 Examinations:- Ch:6- Integers Ch:7- Fractions

Month	Course Description	Learning Outcome	Activity	No. of Periods	Portion for PT & TERM Assessment
December	Chapter :8 Decimals	<ul style="list-style-type: none"> Students will be able to convert fraction into decimals by computation. Students will be able to solve different mathematical questions based on addition, subtraction, multiplication and division of decimals numbers. 	To represent the decimal numbers on a grid by shading.	8	
	Chapter : 10 Constructions	<ul style="list-style-type: none"> Students will be able to measure and draw angles using protractor and compass. Students will be able to construct the perpendicular bisector of the given line segment. Students will be able to construct the angle bisector of the given angle. 	To construct different types of angles using match sticks.	9	
January	Chapter:- 12 Perimeter and Area	<ul style="list-style-type: none"> Students will be able to find out the perimeter and area of the rectangular objects in order to calculate them for commonly found objects from the surroundings like floor of the class room, surface of playground etc. Students will be able to deduce and apply the formula to determine the perimeter and area of rectangle and square and circumference and area of circle. 	To calculate the area of an irregular figure using a graph paper.	8	

	Chapter :- 13 Data Handling	<ul style="list-style-type: none"> • Students will be able to understand how information can be represented on a bar graph. • Students will be able to represent data using tally marks. • Students will be able to express large information in a simple manner using images. 	An activity to prepare a table of runs scored by India in test innings in a cricket match and prepare a frequency distribution table using tally marks.	12	
Month	Course Description	Learning Outcome	Activity	No. of Periods	Portion for PT & TERM Assessment
February	Revision for final term examinations				Portion for Final Term Examinations:- Ch:3 - Whole Numbers Ch:6 - Integers Ch:7 - Fractions Ch:8 - Decimals Ch:9- Lines and Angles Ch:10- Constructions Ch:11- Symmetry Ch:12- Perimeter and Area Ch:13- Data Handling