

**First Term Curriculum
 Session – 2022-23
 Subject- Mathematics
 Class- IV**

	March	April	May	June
Concepts	Ch. 1 Number System Ch.2 Addition and Subtraction	Ch. 3 Multiplication Ch. 4 Division	Ch. 4 Division(contd) Ch. 5 Multiples and Factors	Ch. 6 Fractions
Learning Outcomes	Students will be able to <ul style="list-style-type: none"> Read and write numbers up to 999999 using place value Compare numbers up to 999999 Solve and create daily life problems using addition and subtraction of 6-digit numbers. 	Students will be able to <ul style="list-style-type: none"> Multiply 2 and 3 digit numbers Solve and create daily life problems using multiplication. Division by 10,100,1000 Divide a number by another number using long division method. 	Students will be able to <ul style="list-style-type: none"> Solve and create daily life problems using division Recognise the broad classification of numbers as prime, composite and co-prime numbers. Proves divisibility rules of 2, 3, 5, 9, and 10 Find HCF or LCM of the given pair of numbers 	Students will be able to <ul style="list-style-type: none"> Show the equivalence of fractions Identify types of fractions and compare fractions Express mixed fraction into improper fraction and vice-versa Solve problems on daily life situations involving addition and subtraction of fractions
Skills	Understanding/knowledge /Application	Understanding/knowledge /Application	Understanding/knowledge /Application	Understanding/knowledge / Application
Activities	Competency -skills based activity/ Experiential learning activities: <ul style="list-style-type: none"> Flash cards Brainstorming 	Competency -skills based activity/ Experiential learning activities: <ul style="list-style-type: none"> Multiplication Tricks 	Competency -skills based activity/ Experiential learning activities: <ul style="list-style-type: none"> Individual Activity Square grid paper (Factors) 	Competency -skills based activity/ Experiential learning activities: <ul style="list-style-type: none"> Paper cut-outs of shapes
Assessments	<ul style="list-style-type: none"> Periodic Test Notebook maintenance Quiz/Questionnaire CW/HW Assignment <p>Main Book: 'I Did It' Mathematics</p>			

**Final Term Curriculum
Session – 2022-23
Subject- Mathematics
Class- IV**

	July/August	September	October	November
Concepts	Ch. 7 Decimals Ch. 8 Geometry	Ch. 9 Patterns and Symmetry Ch. 10 Metric Measures.	Ch. 11 Time Ch. 12 Money	Ch.13 Area and Perimeter Ch. 14 Data Handling
Learning Outcomes	<p>Students will be able to</p> <ul style="list-style-type: none"> Read and write decimals Convert fractions into decimals and vice-versa Compare decimals Perform addition and subtraction with decimal numbers Measure and draw a line segment. Identify the Center, radius , diameter, chord and circumference of the circle Show through paper folding/paper cutting, ink blots, etc. the concept of symmetry by reflection. 	<p>Students will be able to</p> <ul style="list-style-type: none"> Convert meter into centimeter and vice-versa Estimate the length of an object/distance between two locations, weight of various objects, volume of liquid, etc., and verify them by actual measurement. Simple real life situations/problems including length, mass and capacity by using addition and subtraction solving real- life problems on money 	<p>Students will be able to</p> <ul style="list-style-type: none"> Read clock time in hours and minutes and express the time in a.m. and p.m. Relate 24 hr. clock with respect to 12 hr. clock Calculate time intervals/ duration of familiar daily life events by using forward or backward counting/ addition and subtraction. Convert rupees into paise and vice- versa. Apply operations for solving real- life problems on money 	<p>Students will be able to</p> <ul style="list-style-type: none"> Explore the area and perimeter of simple geometrical shapes and irregular shapes Reading and Interpreting Bar Graphs/ Pie Charts
Skills	Understanding/ knowledge / Application	Understanding/knowledge /Application	Understanding/knowledge / Application	Understanding/ knowledge/ , Application .
Activities	<p>Competency -skills based activity/ Experiential learning activities:</p> <ul style="list-style-type: none"> Square Grids Paper Paper Folding 	<p>Competency -skills based activity/ Experiential learning activities:</p> <ul style="list-style-type: none"> Individual Activity 	<p>Competency -skills based activity/ Experiential learning activities:</p> <ul style="list-style-type: none"> Model Individual Activity 	<p>Competency -skills based activity/ Experiential learning activities:</p> <ul style="list-style-type: none"> Measure my books and notebooks Survey
Assessments	<ul style="list-style-type: none"> Periodic Test Quiz/Questionnaire Notebook maintenance C.W./ H.W. Assignment <p>Main Book: 'I Did It' Mathematics</p>			