

**KENDRIYA VIDYALAYA SANGATHAN**  
**SPLIT-UP SYLLABUS**  
**SESSION 2022-23**

S. NO.	MONTH	Tentative No. of working days available (ONLINE)	CHAPTER	TENTATIVE NO. OF PERIODS REQUIRED	ACTIVITY (As given in LAB MANUAL BY NCERT & NCERT TEXT BOOK)	Name of the Examination
1	APRIL 2021	22	1. Knowing our numbers 2. Whole numbers	7	From NCERT TEXT BOOK-'Do This' and 'Think, Discuss and Write' FROM LAB MANUAL-ACTIVITY 1 TO 4,15 Game1 Factors of Numbers Objective To identify factors of numbers from a given collection	REVISION TEST
2	MAY&JUNE 2021	3	3- Playing with numbers	4	From NCERT TEXT BOOK- 'Do This' and 'Think, Discuss and Write' FROM LAB MANUAL-ACTIVITY 5,6	PROJECT WORK
3	JULY2021	23	3-Playing with numbers (Contd.) 4 – Basic geometrical ideas 5-Understanding elementary shapes	8	'Do This' and 'Think, Discuss and Write' FROM LAB MANUAL-ACTIVITY 16,18,55	CLASS TEST
4	AUGUST2021	20	5-Understanding elementary shapes (Contd.) 6-Integers	7	From NCERT TEXT BOOK- 'Do This' and 'Think, Discuss and Write' Activity- 12,13	PT1

5	SEPT2021	22	7-Fractions	7	From NCERT TEXT BOOK-'Do This' and 'Think, Discuss and Write' Activity-7 TO 11	CLASS TEST
6	OCT2021	18	8-DECIMALS	6	From NCERT TEXT BOOK-'Do This' and 'Think, Discuss and Write' Activity-14,19	HY(MID-TERM)
7	NOV2021	20	9-Data Handling 10-Mensuration	6	From NCERT TEXT BOOK-'Do This' and 'Think, Discuss and Write'  Activity- 17,24,27(Exploring Area with Geoboard)	CLASS TEST
8	DEC2021	18	11-Algebra	6	From NCERT TEXT BOOK-'Do This' and 'Think, Discuss and Write'	PB1, PROJECT WORK
9	JAN2022	22	12-Ratio & Proportion 13-Symmetry 14-Practical Geometry	7	From NCERT TEXT BOOK-'Do This' and 'Think, Discuss and Write' ACTIVITY -26	PT2
10	FEB2022	23	REVISION FOR SE 2022	7	From NCERT TEXT BOOK- 'Do This' and 'Think, Discuss and Write'	CLASS TEST
11	MAR2022	22	-	20	.....	S.E.EXAM2022

**Syllabus for – PT-**

**I: CH.1,2,3,4**

**Half Yearly: 1 TO 7**

**PT-II: CH.8,9,10,11**

Term – II: CH.8 TO 14

**KENDRIYA VIDYALAYA SANGATHAN  
SPLIT-UP SYLLABUS**

S. NO.	MONTH	Tentative No. of working days available (ONLINE)	CHAPTER	TENTATIVE NO. OF PERIODS REQUIRED	ACTIVITY (As given in LAB MANUAL BY NCERT & NCERT TEXT BOOK)	Name of the Examination
1	APRIL 2021	22	Chapter 1: INTEGERS Chapter 2: FRACTIONS AND DECIMALS	7	From NCERT TEXT BOOK-Do This' and 'Think, Discuss and Write' Laboratory Manual for Elementary Stage (Activities 29, 38,49)	REVISION TEST
2	MAY&JUNE 2021	3	Chapter 2: FRACTIONS AND DECIMALS(Contd )	4	Laboratory Manual for Elementary stage (Activities 28,35TO37,39TO42) From NCERT TEXT BOOK-Do This and 'Think, Discuss and Write'	PROJECT WORK

3	JULY2021	23	CH.3-Data Handling CH.4- Simple Equations	8	Laboratory Manual for Elementary stage (Activities 48,56,68TO74) NCERT TEXT BOOK- 'Do This' and 'Think, Discuss and Write'	CLASS TEST
4	AUGUST2021	20	CH.5- Lines and Angles CH.6-TheTriangle and its Properties	7	Laboratory Manual for Elementary stage (Activities - 50,53,57,64,65,43TO46,58,60TO63)  From NCERT TEXT BOOK- 'Do This' and 'Think, Discuss and Write'	PT1
5	SEPT2021	22	CH.7-Congruence of Triangles	7	From NCERT TEXT BOOK-Do This' and 'Think, Discuss and Write'	CLASS TEST
			Ch.8-Comparing Quantities		Activity-30 TO 33	
6	OCT2021	18	Ch.8-Comparing Quantities(contd.)	6	From NCERT TEXT BOOK-Do This' and 'Think, Discuss and Write' Activity-Abacus Objective To understand the concepts of place value and also the addition and subtraction of decimal with the help of abacus.	HY(MID-TERM)
7	NOV2021	20	Ch.9-Rational Numbers Ch.10-Practical Geometry	6	From NCERT TEXT BOOK-Do This' and 'Think, Discuss and Write'	CLASS TEST

8	DEC2021	18	Ch.11-Perimeter and Area	6	From NCERT TEXT BOOK- 'Do This' and 'Think, Discuss and Write' ACT-47,52,66	PB1,PROJECT WORK
9	JAN2022	22	Ch.12-Algebraic Expressions Ch.13-Exponents Ch.14-Symmetry	7	From NCERT TEXT BOOK- 'Do This' and 'Think, Discuss and Write' ACTIVITY-54,55,57	PT2
10	FEB2022	23	Ch.15-Visualising Solid Shapes REVISION FOR SE 2022	7	From NCERT TEXT BOOK- 'Do This' and 'Think, Discuss and Write'	CLASS TEST
11	MAR2022	22	-	20	.....	S.E.EXAM2022

**Syllabus for – PT-**

**I:** CH.1,2,3,4

**Half Yearly:** 1 TO 8

**PT-II:** CH.9,10,11

**Term – II:** CH.9TO 14

**KENDRIYA VIDYALAYA SANGATHAN  
SPLIT-UP SYLLABUS**

S. NO.	MONTH	Tentative No. of working days available (ONLINE)	CHAPTER	TENTATIVE NO. OF PERIODS REQUIRED	ACTIVITY (As given in LAB MANUAL BY NCERT & NCERT TEXT BOOK)	Name of the Examination
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1	APRIL 2021	22	Chapter 1: RATIONAL NUMBERS Chapter 2: LINEAR EQUATIONS IN ONE VARIABLE	7	From NCERT TEXT BOOK-'Do This' and 'Think, Discuss and Write' From LAB MANUAL-Activity 92	REVISION TEST
2	MAY&JUNE 2021	3	Chapter 2: LINEAR EQUATIONS IN ONE VARIABLE(CONTD.)	4	From NCERT TEXT BOOK-'Do This' and 'Think, Discuss and Write'	PROJECT WORK
3	JULY2021	23	Chapter 3 Understanding Quadrilaterals Chapter 4 Practical Geometry Chapter 5 Data Handling	8	From NCERT TEXT BOOK-'Do This' and 'Think, Discuss and Write' From LAB MANUAL-Activity 67,85 to 87,89	CLASS TEST
4	AUGUST2021	20	CH.6-Squares and Square Roots Ch.7-Cubes and Cube roots	7	From NCERT TEXT BOOK-'Do This' and 'Think, Discuss and Write'	PT1
5	SEPT2021	22	Ch.8-Comparing Quantities	7	From NCERT TEXT BOOK-'Do This' and 'Think, Discuss and Write' Activity-	CLASS TEST
6	OCT2021	18	Ch.9-Algebraic Expressions and identities	6	From NCERT TEXT BOOK-'Do This' and 'Think, Discuss and Write' Activity-76 to 78,88	HY(MID-TERM)
7	NOV2021	20	Ch.10-Visualising Solid Shapes Ch.11-Mensuration	6	From NCERT TEXT BOOK-'Do This' and 'Think, Discuss and Write' Activity-75,93,59,79 to 84	CLASS TEST

8	DEC2021	18	Ch.12-Exponents and Powers Ch.13-Direct and Inverse Variation	6	From NCERT TEXT BOOK- 'Do This' and 'Think, Discuss and Write'	PB1, PROJECT WORK
9	JAN2022	22	Ch.14-Factorization Ch.15-Introduction to Graphs	7	From NCERT TEXT BOOK- 'Do This' and 'Think, Discuss and Write' Activity-90,91	PT2
10	FEB2022	23	Ch.16-Playing with Numbers REVISION FOR SE 2022	7	From NCERT TEXT BOOK- 'Do This' and 'Think, Discuss and Write'	CLASS TEST
11	MAR2022	22	Revision	20	.....	S.E.EXAM2022

**Syllabus for – PT- I:**

CH.1,2,3,4 Half

Yearly : 1 TO 8

**PT-II:** CH9,10,11,12

**Term – II:** CH.8 TO 16

## LIST OF MULTI-DISCIPLINARY PROJECTS

### CLASS VI

- 1) Tangrams and different shapes.
  - 2) An Indian mathematician and his /her contribution to mathematics.
  
  - 3) Magic squares 3x3.
  - 4) Collection of data and its pictorial representation.
  - 5) Collection of different types of graphs from magazines and other media.
  - 6) The total household expenditure for a particular month: (i.e., total of electricity bill, mobile bill, restaurant bill, groceries, etc.).
  - 7) Collect the data of any 3 neighboring countries  
(Draw the outline of the map, state capital, population -write the number names in both systems of numeration, area of the country etc.).
  - 8) Write the names of 2D Shapes (minimum 8to 10) and its translation in Hindi.
  - 9) Draw the Planets and write the names of their moons. Write the distances of the other planets from Earth.
  - 10) Write the composition of any 2 food delicacies of any state and write the % of the ingredients or ratio of the ingredient to the whole.
- (7,8,9 ,10 is inter disciplinary)



## CLASS VII

### **TOPIC: FOOD & NUTRITION**

Sub covered: Maths, Science & S. St

Take 1 chips packet, 1 biscuit packet, 1 pack of frooti and 1 pack of mozerella cheese.

Maths: Read the nutrition information's given in the packets and represent the same through bar graph and compare nutritional values by using double bar graph.

Science: Components of food: write an article on Healthy food and a balanced diet

SSt: Comparative analysis of Advantages of Healthy population in the economy of a country

### **2. Topic: Architectural Wonders of India**

Sub covered: Maths, Science & Sst

Maths: Analyze and describe the mathematical aspect (geometry, congruent figures, symmetry etc.) of Taj Mahal.

Science: The Taj Mahal—A Scientific study.: write up

SST: Classification of Architectural Monuments –Ancient, Medieval and Modern.

### **3.Topic: Data Collection**

**Maths:**Collect the data on sex ratio of the following states: Haryana, Bihar, Kerala, Rajasthan

Represent this information by means of bar graph

### 4. Topic:Yoga

Choose any 5 yogasan and explore their mathematical aspects and their benefits.

### **5. Topic: Transport.Journey of wheel**

Maths: Relation between distance, speed and time: problem solving

Evolution of Wheel from early to the present. explanation along with flow chart

Make a collage on Means of transport as lifelines of our country

### **6 Topic: Natural Disasters during Rainy seasons in India**

Sub covered:Maths Science& S. St

### **7.Lines & Angles**

Draw the map of your locality and mark different lines and angles

### **8.Maths Project: Restaurant Menu –Average**

### **9. Topic Value of Pi**

**Method of finding value of Pi**

## 10. Pythagoras property

Verification of Pythagoras property in different ways.

### CLASS VIII

1. Verification of Pythagoras theorem in different ways.
2. Magic squares 3x3., 4X4, 5X5
3. An Indian mathematician and his /her contribution to mathematics
4. Plotting graphs for daily life activities.
5. Collect the data of any 3 neighboring countries  
(Draw the outline of the map, state capital, population -write the number names in both systems of numeration, area of the country etc.).
6. Write the names of 3 D Shapes (minimum 8 to 10) and its translation in Hindi.
7. Creating different magics and framing puzzles by playing with numbers.
8. Verification of Euler's formula for different 3 D Shapes.
9. Write the composition of any 5 food delicacies of your city and write the % of the ingredients and ratio of the ingredient to the whole.
10. Exploring decimal system versus other number systems with different bases like 2, 5, 8 etc.