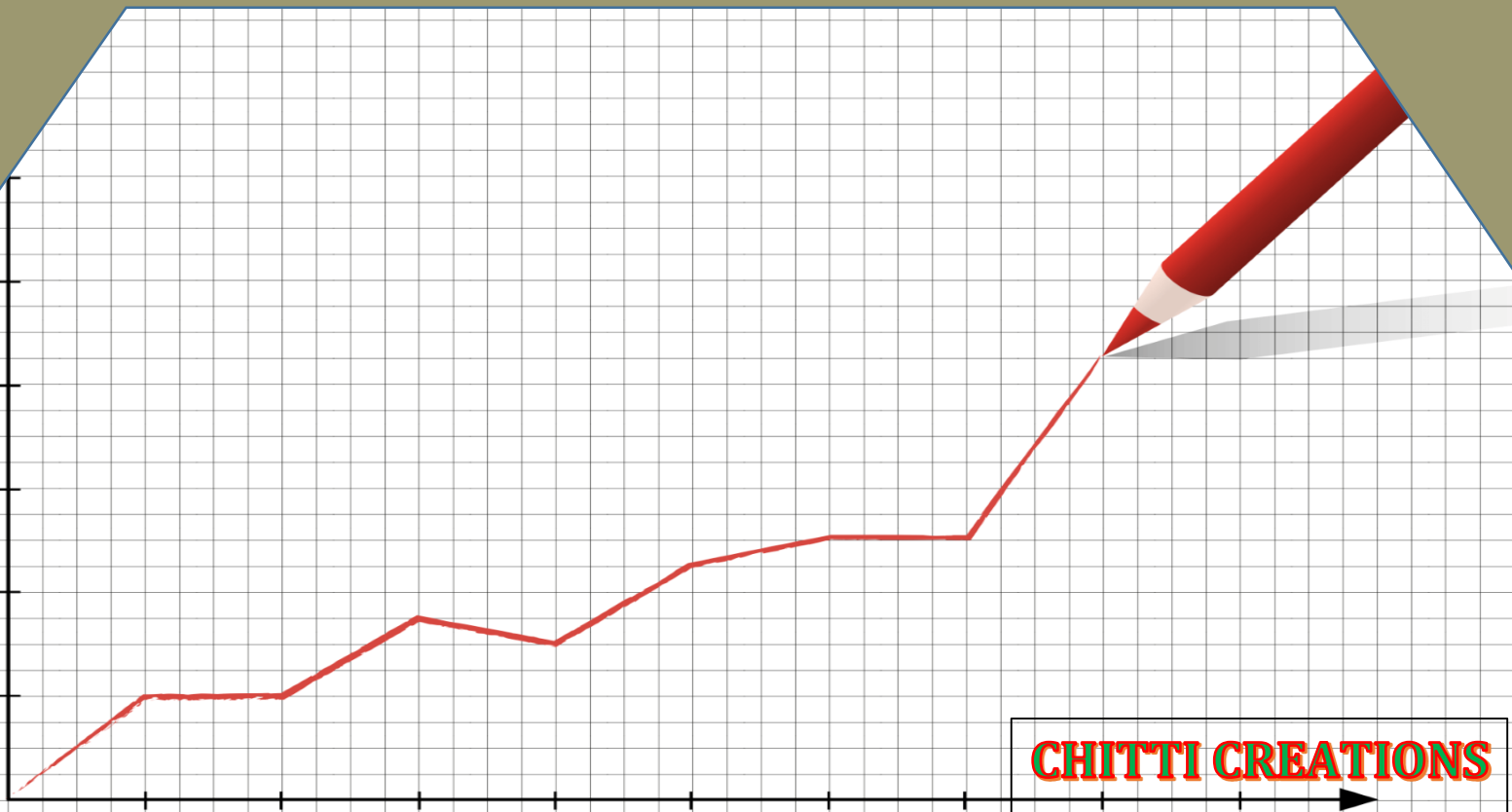
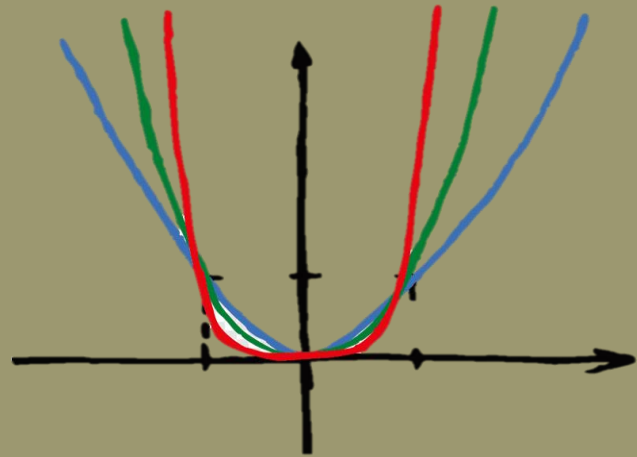


YEAR 2021-22

# MATHEMATICS PROGRAM OF WORK



CHITTI CREATIONS

# PROGRAM OF WORK FOR THE YEAR 2021-22 8<sup>TH</sup> STANDARD (E.M)

DATE:20-06-2021

**PREPARED BY:**



**T.SHIVAKUMAR**  
MMDRS, HARAPANAHALLI TOWN  
VIJAYANAGARA DIST  
Mob.9916142961

**PART-1**

<b>SL.NO</b>	<b>UNIT NAME</b>	<b>ALLOTTED PERIODS</b>
1	PLAYING WITH NUMBERS	08+02
2	RATIONAL NUMBERS	08+02
3	LINEAR EQUATIONS IN ONE VARIABLE	07+02
4	UNDERSTANDING QUADRILATERALS	10+02
5	SQUARES & SQUARE ROOTS	10+02
6	ALGEBRAIC EXPRESSIONS & IDENTITIES	04+02
7	PRACTICAL GEOMETRY	10+02
	CCE EVALUATION	06
	<b>TOTAL</b>	<b>77</b>

**PART-2**

<b>SL.NO</b>	<b>UNIT NAME</b>	<b>ALLOTTED PERIODS</b>
8	CUBES AND CUBE ROOTS	08+02
9	EXPONENTS & POWERS	12+02
10	DATA HANDLING	08+02
11	DIRECT & INVERSE PROPORTIONS	08+02
12	INTRODUCTION TO GRAPHS	08+02
13	FACTORISATION	10+02
14	VISUALISING SOLID SHAPES	08+02
15	COMPARING QUANTITIES	09+02
16	MENSURATION	12+02
	CCE EVALUATION	06
	<b>TOTAL</b>	<b>107</b>

**(Note: Additional 02 periods required for notes checking and clarification of doubts)**

NO.OF PERIODS: 26

MONTH: JULY 2021

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
<b>BRIDGE COURSE TEST</b>				
CCE EVALUATION				

NO.OF PERIODS : 25

MONTH: August 2021

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	PLAYING WITH NUMBERS	8	1. Introduction 2. Number in gen form 3. Letters for digits 4. Test of divisibility 5. Summary	1 2 2 2 1
2	RATIONAL NUMBERS	08	1. Introduction 2. Properties 3. Representation on number line 4. Summary	1 3 3 1
3	LINEAR EQUATIONS IN ONE VARIABLE	07	1. Introduction 2. Solving equations 3. Some applications 4. Summary	1 2 3 1
5	Evaluation	4	CCE EVALUATION	4

**NO.OF PERIODS : 25****MONTH: September 2021**

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	UNDERSTANDING QUADRILATERALS	10	1. Introduction 2. Polygons 3. Types of quadrilaterals 4. Some special parallelograms 5. Problems 6. Summary	1 2 3 3 2 1
2	SQUARES & SQUARE ROOTS	10	1. Introduction 2. Patterns 3. Square and sq roots 4. Problems 5. Summary	2 2 2 3 1
3	ALGEBRAIC EXPRESSIONS & IDENTITIES	04	1. Introduction 2. Algebraic terms 3. Multiplication of algebraic expressions 4. Identities	1 1 1 1
4	PRACTICAL GEOMETRY	10	1. Introduction 2. Construction of quadrilaterals 3. Some special cases 4. Summary	1 4 2 1
1.	<b>First semester examination</b>			

**MONTH: OCTOBER****ANALYSIS OF FIRST TERM EXAM EVALUATION  
AND CHECKING THE HOLIDAY HOME WORK****NO.OF PERIODS:22****MONTH: NOVEMBER 2021**

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	CUBES AND CUBE ROOTS	08	1. Cube roots 2. Problems 3. Summary	3 3 1
	EXPONENTS & POWERS	12	1. Introduction 2. Base number and power numbers 3. Laws of exponents 4. Use of exponents 5. Summary	1 2 6 2 1
3	Evaluation	4	CCE EVALUATION	4

**NO.OF PERIODS: 27****MONTH: DECEMBER 2021**

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	DATA HANGLING	08	2. Introduction 3. Organization of data 4. Pie charts 5. Probability 6. Summary	1 1 2 2 1
1	DIRECT & INVERSE PROPORTIONS	08	1. Introduction 2. Direct proportion and problems 3. Inverse proportion and problems 4. Summary	1 3 3 1
	INTRODUCTION TO GRAPHS	08	1. Introduction 2. Bar graph 3. Pie graph 4. Linear graphs 5. Summary	1 2 2 2 1
2	Evaluation	3	CCE EVALUATION	3

**HAPPY NEW YEAR 2022**

**NO.OF PERIODS: 25****MONTH: JANUARY 2022**

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	FACTORISATION	10	1. Introduction 2. Factorization by grouping 3. Division of algebraic expression 4. Summary	1 3 3 1
	VISUALISING SOLID SHAPES	08	1. Introduction 2. Views of 3D shapes 3. Mapping space around us 4. Vertices, edges and faces 5. Summary	1 2 2 2 1
4	Evaluation	6	CCE EVALUATION	6

**NO.OF PERIODS: 23****MONTH: FEBRUARY 2022**

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	COMPARING QUANTITIES	09	1. Introductions 2. Ratio & proportion 3. Simple and compound interest 6. summary	1 2 5 1
1	MENSURATION	12	1. Introduction 2. Area of trapezium 3. Area of solids 4. Volume of solids 5. Summary	1 3 3 3 1
	Evaluation	2	CCE EVALUATION	2

**NO.OF PERIODS: 25****MONTH: MARCH 2022**

1	<i>REVISION</i>	25	<i>REVISION</i>	25
---	-----------------	----	-----------------	----

**NO.OF PERIODS: 24****MONTH: APRIL 2022**

**EXAMINATION OF SA2**

Dear Sir/Madam :

This Program of Work for department purpose. Any change u can make it.

**THANK YOU**