

**PROGRAM OF WORK FOR THE YEAR
2020-21**

8TH STANDARD (E.M)

04-Apr-20

T.SHIVAKUMAR

8TH STANDARD ENGLISH MEDIUM

PROGRAM OF WORK FOR THE YEAR 2020-21

SUBJECT: MATHEMATICS

PREPARED BY :

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**MATHEMATICS TEACHER, MINORITY MORARJI DESAI RESIDENTIAL SCHOOL, BHUVANAHALLI, SIRA, TUMAKURU
DIST, Mobile No.9916142961**

PART-1

SL.NO	UNIT NAME	ALLOTTED PERIODS
1	PLAYING WITH NUMBERS	08+02
2	SQUARES & SQUARE ROOTS	04+02
3	CUBES AND CUBE ROOTS	06+02
4	RATIONAL NUMBERS	06+02
5	COMPARING QUANTITIES	08+02
6	DIRECT & INVERSE PROPORTIONS	06+02
7	DATA HANDLING	07+02
8	ALGEBRAIC EXPRESSIONS & IDENTITIES	
	CCE EVALUATION	07
	TOTAL	66

PART-2

SL.NO	UNIT NAME	ALLOTTED PERIODS
9	LINEAR EQUATIONS IN ONE VARIABLE	06+02
10	FACTORISATION	08+02
11	EXPONENTS & POWERS	05+02
12	INTRODUCTION TO GRAPHS	06+02
13	UNDERSTANDING QUADRILATERALS	10+02
14	PRACTICAL GEOMETRY	06+02
15	VISUALISING SOLID SHAPES	04+02
16	MENSURATION	
	CCE EVALUATION	
	TOTAL	70

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

NO.OF PERIODS: 25**MONTH: JUNE 2020**

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
BRIDGE COURSE TEST				
CCE EVALUATION				

NO.OF PERIODS : 26**MONTH: JULY 2020**

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	SQUARES & SQUARE ROOTS	10	1. Introduction 2. Patterns 3. Square and sq roots 4. Problems 5. Summary	2 2 2 3 1
3	CUBES AND CUBE ROOTS	4	1. Introduction 2. Cubes (will continue in the next month)	1 2
5	Evaluation	4	CCE EVALUATION	4

NO.OF PERIODS: 23**MONTH:AUGUST 2020**

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	CUBES AND CUBE ROOTS	05	1. Cube roots 2. Problems 3. Summary	2 3 1
2	RATIONAL NUMBERS	08	1. Introduction 2. Properties 3. Representation on number line 4. Summary	1 3 3 1
3	COMPARING QUANTITIES	09	1. Introductions 2. Ratio & proportion 3. Simple and compound interest 6. summary	1 2 5 1
4	Evaluation	4	CCE EVALUATION	4

NO.OF PERIODS : 22

MONTH: September 2020

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1.	DIRECT & INVERSE PROPORTIONS	08	1. Introduction 2. Direct proportion and problems 3. Inverse proportion and problms 4. Summary	1 3 3 1
2.	DATA HANGLING	08	1. Introduction 2. Organization of data 3. Pie charts 4. Probability 5. Summary	1 1 2 2 1
3.	ALGEBRAIC EXPRESSIONS & IDENTITIES	04	1. Introduction 2. Algebraic terms 3. Multiplication of algebraic expressions 4. Identities	1 1 1 1
6.	First semester examination			

MONTH: OCTOBER

**ANALYSIS OF FIRST TERM EXAM EVALUATION
AND CHECKING THE HOLIDAY HOME WORK**

NO.OF PERIODS:23

MONTH: NOVEMBER 2020

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	LINEAR EQUATIONS IN ONE VARIABLE	08	1. Introduction 2. Solving equations 3. Some applications 4. Summary	1 2 3 1
2	FACTORISATION	08	1. Introduction 2. Factorization by grouping 3. Division of algebraic expression 4. Summary	1 2 3 1
3	Evaluation	4	CCE EVALUATION	4

NO.OF PERIODS: 24

MONTH: DECEMBER 2020

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
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
2	Evaluation	4	CCE EVALUATION	4

HAPPY NEW YEAR 2021

NO.OF PERIODS: 25

MONTH: JANUARY 2021

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	INTRODUCTION TO GRAPHS	10	1. Introduction 2. Bar graph 3. Pie graph 4. Linear graphs 5. Summary	1 2 2 3 1
2	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
4	Evaluation	4	CCE EVALUATION	4

NO.OF PERIODS: 24

MONTH: FEBRUARY 2021

SL.NO	LESSON NAME	PERIODS	TEACHING ITEMS	PERIODS
1	PRACTICAL GEOMETRY	10	1. Introduction 2. Construction of quadrilaterals 3. Some special cases 4. Summary	1 4 2 1
2	VISUALISING SOLID SHAPES	07	1. Introduction 2. Views of 3D shapes 3. Mapping space around us 4. Vertices, edges and faces 5. Summary	1 2 2 1 1
3	MENSURATION		1. Introduction 2. Area of trapezium 3. Area of solids 4. Volume of solids 5. Summary (if periods comes shortage in this month, will continue in the next month...)	1 3 3 3 1
	Evaluation	4	CCE EVALUATION	4

NO.OF PERIODS: 15

MONTH: MARCH 2021

1	<i>REVISION</i>	15	<i>REVISION</i>	15
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EXAMINATION OF SA2

Dear Sir/Madam :

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

THANK YOU