ARMY PUBLIC SCHOOL GOPALPUR

SPLIT UP SYLLABUS (2020-21)

CLASS: III   SUBJECT: MATHEMATICS

MONTH   : APRIL   **NO. OF DAYS:10**

NO. Of PERIODS:08

TOPIC   :Warm Up

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
Recapitulation	• Inductive • Deductive • Problem Solving	• Teach Next • Black Board • Chalk	Parents will Recapitulate of Previous Class.	Students will be able to learn simple operation of Addition, Subtraction and Multiplication.

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SPLIT UP SYLLABUS (2020-21)

CLASS: III   SUBJECT: MATHEMATICS

MONTH   : APRIL   **NO. OF DAYS:12**

NO. Of PERIODS:10

TOPIC   :Number and Number Names

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
• Use of Spike Abacus. • Number in words and figures. • Expanded form. • Order relation. • Formation of Greater and Smaller Number.	• Inductive • Deductive • Synthesize	• Teach Next • Numbers and Abacus Board. • Place Value Chart. • Flash Card.	• Parents will use the piece of Paper ,Draw the abacus chart put bindi on it and show the student greater and smaller Number. • Use the Flash Card find out greater and smaller number.	• The students will be able to formation the greater and smaller number. • Student will learn how to expand the number.

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SPLIT UP SYLLABUS (2020-21)

CLASS: III   SUBJECT: MATHEMATICS

MONTH   : JUNE

NO. OF DAYS:11

NO. Of PERIODS:09

TOPIC   :Addition

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
• Four digit number addition without regrouping and with regrouping. • Properties of addition. • estimating sum • Word problems.	• Inductive • Deductive • Problem solving.	• Teach Next • Marbles • Pebbles • Bundle of sticks.	• Students will be able to calculate their age. • Parents will collect the sticks and bundle and ask the addition questions.	• Children will explain the concept of addition • Children will able to learn addition of numbers and objects day-to-day life. • Children will explain how to solve the addition problem sums.

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SPLIT UP SYLLABUS (2020-21)

CLASS: III   SUBJECT: MATHEMATICS

MONTH   : JULY   NO. OF DAYS:10

NO. Of PERIODS:08

TOPIC   :Subtraction

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
• Subtraction without decomposing . • Decomposing (Borrowing) • Subtraction with decomposing . • Estimating Difference. • Word problem sums.	• Inductive • Deductive • Synthesize (PMTT-1)	• Teach Next • Bundle of sticks. • Marbles • Pebbles • Abacus Board	• Parents will bring chart paper and bindi draw the abacus chart and ask the different digit of subtraction • Parents collect the marbles in his bag and take out some marbles from the bag and ask what will happen.	• Students will be able to learn concept of subtraction. • Subtraction of different digit number. • Problem solving ability of subtraction

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SPLIT UP SYLLABUS (2020-21)

CLASS: III   SUBJECT: MATHEMATICS

MONTH   : JULY

NO. OF DAYS:17

NO. Of PERIODS:14

TOPIC   :Geometry

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
• Description of basic shape • Drawing shape • Paper folding • Plain and curve surface • Solid shape • Mirror line • Tengram	• Demonstration • Lab method • Class activity	• Teach Next • Wooden cube and cuboid • Book • Notebook • Glass • Plain piece of paper • Bangle	• Parents will show their children 2d and 3d objects like birthday cake , dice ,Ball ,book , notebook and ask 2d and 3d shape of questions.	• Students will be able to know solid shape , curve shape , plain face , Corner,vertex ,edges etc.

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SPLIT UP SYLLABUS (2020-21)

CLASS: III   SUBJECT: MATHEMATICS

MONTH   : AUGUST   NO. OF DAYS:09

NO. Of PERIODS:08

TOPIC   :Multiplication

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
• Multiplication by 1digit number with and without regrouping. • Multiplication of 3 digit number by 1digitnumber • Continued multiplication • Multiplication by 10 , 100 , 1000 • Properties of multiplication. • Word problem sums.	• Analysis & synthesize • Inductive • Deductive • Problem solving	• Teach Next • Multiplication Table Chart • Dozing and greed multiplication chart	• Parents will explain the multiplication to repeated edition method • Multiplication with multiplication table • Multiplication number with different smallest digit number.	• Students will be able to learn concept of multiplication • Multiplication with two digit number • Problem solving ability.

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SPLIT UP SYLLABUS (2020-21)

CLASS: III   SUBJECT: MATHEMATICS

MONTH   : AUGUST   NO. OF DAYS:10

NO. Of PERIODS:08

TOPIC   :Patterns

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
• Geometrical patterns • Number patterns • Even and Odd numbers • Addition properties of even and odd numbers..	• Analysis • Inductive • Deductive • Demonstration	• Teach Next • Chart paper	• Parents will explain the student • Border of sarees • Different shape of object • Even and odd number series, increasingand decreasing number..	• Students will be able to learn concept of patterns. • Verbal and non verbal series • Number series..

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SPLIT UP SYLLABUS (2020-21)

CLASS: III   SUBJECT: MATHEMATICS

MONTH   : AUGUST   NO. OF DAYS:12

NO. Of PERIODS: 09

TOPIC   : Handling Data.

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
• Tally and vertical bars • Pictograph • Reading and interpreting a pictograph • Tally mark..	• Inductive • Deductive • Demonstration	• Teach Next • Chart paper	• Parents will draw the different shape of pictures on chart paper and copy and how to represent in number say their children • Parents will explain tally mark to their ward	• Students will be able to learn concept of Handling Data. • How the number will represent on picture • Learn the tally mark...

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SPLIT UP SYLLABUS (2020-21)

CLASS: III   SUBJECT: MATHEMATICS

MONTH   : SEPTEMBER

NO. OF DAYS:12

NO. Of PERIODS:09

TOPIC   :Division

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
• Division facts • Properties of division • Division by 1 digit number • Division 1 digit number with remainder • Word problem sums..	• Inductive • Deductive • Demonstration • Problem solving **(Term-1)**	• Teach Next • Pebbles • Marbles • Bundle of sticks	• Parents will take their children to book shop and ask them to find them cost of one item. If the several item is given.	• Students will be able to learn concept of division.. • Solve problem of division....

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SPLIT UP SYLLABUS (2020-21)

CLASS: III   SUBJECT: MATHEMATICS

MONTH   : OCTOBER

NO. OF DAYS:18

NO. Of PERIODS:15

TOPIC   :Fraction

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
• Fraction as part of a whole • Represent of fraction • Fraction as part of a collection • Numerator and denominator • Word problem sums...	• Class activity • Lab method • Demonstration • Problem solving	• Teach Next • Chart paper • Fraction bars • Area diagram • Fraction kids	• Parents will bring chart paper and show the whole, halves one third quarter to the student • Parents will show the parts of collection to draw different object.	• Students will be able to learn concept of fraction. • Learn the numerator and denominator • Collection of fraction • Problem solving ability....

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SPLIT UP SYLLABUS (2020-21)

CLASS: III   SUBJECT: MATHEMATICS

MONTH   : NOVEMBER   NO. OF DAYS:13

NO. Of PERIODS:11

TOPIC   :Money

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
• Writing of rupees and paisa • Conversion of rupees into paisa and vice-versa • Addition and subtraction of Money • Multiplication of rupees and paisa • Division of rupees and paisa	• Class activity • Demonstration • Problem solving	• Teach Next • Duplicate notes , original coins	• Parents will show the notes and coins asked the value. • Parents will give some notes and ask the value of money. • Parents will purchase some items and ask the total value.	Children will able to learn:- • Concept of money • Identify the notes and coins • Operation of money • Solving the problems day to day life

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SPLIT UP SYLLABUS (2020-21)

CLASS: III   SUBJECT: MATHEMATICS

MONTH   : NOVEMBER   **NO. OF DAYS:13**

NO. Of PERIODS:11

TOPIC   :Time

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
• Reading time in hours • Reading time in half and quarter hours • Reading time in hours and 5 minutes correctness • Estimating time • Conversion of time.	• Class activity • Demonstration cum discussion	• Teach Next • Chart Paper • Wall clock	• Parents will use wall clock in his home and ask the time • Railway station time observation • Visiting a place having sundial	• Students will be able to Know the concept of time • Recognise the time in a wall clock • Differentiate Between AM and PM • Know the meaning of quarter to and quarter past and half past.

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SPLIT UP SYLLABUS (2020-21)

CLASS: III   SUBJECT: MATHEMATICS

MONTH   : DECEMBER   **NO. OF DAYS: 23**

NO. Of PERIODS: 18

TOPIC   :Length

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
• Conversion units of length • Measuring in centimetres • Addition and subtraction of length • Word problem sums. **(Pmtt-2)**	• Class activity • Demonstration • Lab method	• Teach Next • Ruler • Rope • String	• Parents will use their body parts like cubit,handspan, paces to measure the length • Parents will take the children garment shop and tailor shop to explain about the length.	Students will be able to :- • .Define cubit , hand span ,paces • Convert one units of length into another • Solve problem using the concept of measurement.

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SPLIT UP SYLLABUS (2020-21)

CLASS: III   SUBJECT: MATHEMATICS

MONTH   : JANUARY

NO. OF DAYS:11

NO. Of PERIODS:09

TOPIC   :Mass

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
• Conversion unit of mass • Addition and subtraction of kilogram and gram • Word problem sums.	• Class activity • Inductive • Deductive	• Teach Next • Beam balance • Measuring rods	• Parents will take their children to a green grocer to familiar the child with the concept of the mass.	Students will be able to :- • Know the concept of mass • Identify the different weights of measuring rods • Problem solving in day to day life.

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SPLIT UP SYLLABUS (2020-21)

CLASS: III   SUBJECT: MATHEMATICS

MONTH   : JANUARY

NO. OF DAYS: 12

NO. Of PERIODS:10

TOPIC   :Capacity

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
• Conversion of units of capacity • Addition o litres and milli-litres • Subtraction o litres and milli-litres • Word problem sums.	• Class activity • Analysis • 5E method	• Teach Next • Water bottle • Glass • Cane • Cup	• Parents will take their children control dealer find out the difference measurement of can to familiar the children with the concept of Capacity.	Children will be able to :- • Know the concept of capacity • Identify the different container of can. • Problem solving in day to day life.

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SPLIT UP SYLLABUS (2020-21)

CLASS: III   SUBJECT: MATHEMATICS

MONTH   : FEBRUARY

NO. OF DAYS:22

NO. Of PERIODS:18

TOPIC   :Put on your thinking cap

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
• Recapitulation	• Problem solving • Analysis	• Number chart • Grid multiplication chart • Multiplication table chart	• Parents will teach some lesson Vedic mathematics for easier calculation using grid. • Sudoku , rubric cube	Students will be able to :- • Observe the patterns of numbers • Solve problem of equal sum in a grid.

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SPLIT UP SYLLABUS (2020-21)

CLASS: III   SUBJECT: MATHEMATICS

MONTH   : MARCH

NO. OF DAYS:07

NO. Of PERIODS:08

TOPIC   : revision (final exam)

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME