

# ARMY PUBLIC SCHOOL GOPALPUR

## SPLIT UP SYLLABUS (2020-21)

CLASS: I SUBJECT: MATHS

MONTH : APRIL

NO. OF DAYS: 10

NO. OF PERIODS: 13

TOPIC :Ln-01 : PRE-NUMBER CONCEPTS

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
<ul style="list-style-type: none"><li>• <i>Bigger-Smaller,</i></li><li>• <i>Top – Bottom,</i></li><li>• <i>On - Under,</i></li><li>• <i>Inside – Outside,</i></li><li>• <i>Above – Below,</i></li><li>• <i>Right - Left.</i></li></ul>	Demonstration, Interactive, Playway	Toys and real objects, Surrounding objects.	Motivate parents to show and explain their ward about different placement of different objects.	Student would be able to identify the shapes and position of different objects.

# ARMY PUBLIC SCHOOL GOPALPUR

## SPLIT UP SYLLABUS (2020-21)

**CLASS: I SUBJECT: MATHS**

**MONTH : APRIL**

**NO. OF DAYS:07**

**NO. OF PERIODS:08**

**TOPIC :Ln-02 ; NUMERS 1 to 10**

<b>SUB- TOPICS</b>	<b>METHODOLOGY</b>	<b>TEACHING LEARNING MATERIALS/AIDS</b>	<b>INTERFACE</b>	<b>LEARNING OUTCOME</b>
<ul style="list-style-type: none"><li>• One digit Numbers(1-9)</li><li>• Number name(1-9)</li><li>• After and before</li><li>• Counting, recognition, collection of numbers</li></ul>	<ul style="list-style-type: none"><li>• Demonstration,</li><li>• Interactive,</li><li>• Playway</li></ul>	Real objects-colour pencils marbles,.string of beads, Smart board	Motivate parents to show and explain their ward about different placement of different objects.	Student would be able to identify the numbers and position and quantity of different numbers.

# ARMY PUBLIC SCHOOL GOPALPUR

## SPLIT UP SYLLABUS (2020-21)

**CLASS: I**

**SUBJECT: MATHS**

**MONTH : JUNE**

**NO. OF DAYS: 8**

**NO. OF PERIODS: 9**

**TOPIC :Ln-02 ; NUMBERS 1 to 10**

<b>SUB- TOPICS</b>	<b>METHODOLOGY</b>	<b>TEACHING LEARNING MATERIALS/AIDS</b>	<b>INTERFACE</b>	<b>LEARNING OUTCOME</b>
<ul style="list-style-type: none"><li>• Numers in Between.</li><li>• Numbers in order.</li><li>• Ascending Order and descending Order.</li></ul>	<ul style="list-style-type: none"><li>• Demonstration,</li><li>• Interactive,</li><li>• Playway</li></ul>	<ul style="list-style-type: none"><li>• Real objects- colour pencils marbles,.stri ng of beads,</li><li>• Smart board</li> <li>• Flash cards</li><li>• Place value charts</li></ul>	Motivate parents to show and explain their ward about different placement of different objects.	Student would be able to identify the shape and position of different objects.

# ARMY PUBLIC SCHOOL GOPALPUR

## SPLIT UP SYLLABUS (2020-21)

**CLASS: I**

**SUBJECT: MATHS**

**MONTH :JULY**

**NO. OF DAYS: 10**

**NO. OF PERIODS: 12**

**TOPIC :Ln-03:ADDITION**

<b>SUB- TOPICS</b>	<b>METHODOLOGY</b>	<b>TEACHING LEARNING MATERIALS/AIDS</b>	<b>INTERFACE</b>	<b>LEARNING OUTCOME</b>
<ul style="list-style-type: none"><li>• Symbol 'Equal To'.</li><li>• Addition of Zero and One.</li><li>• Addition on number line.</li><li>• Vertical addition.</li><li>• Addition Stories.</li></ul>	<ul style="list-style-type: none"><li>• Demonstration,</li><li>• Inductive and deductive</li><li>• Play way</li></ul>	<ul style="list-style-type: none"><li>• Real objects- colour pencils marbles,.string of beads,</li><li>• Smart board</li><li>• Collection of objects in real situations.</li></ul>	Motivate parents to show and explain their ward about different placement of different objects.	Student would be able to identify the shape and position of different objects.

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## SPLIT UP SYLLABUS (2020-21)

**CLASS: I**

**SUBJECT: MATHS**

**MONTH :JULY**

**NO. OF DAYS: 7**

**NO. OF PERIODS: 7**

**TOPIC :Ln-05;Shapes and Patterns**

<b>SUB- TOPICS</b>	<b>METHODOLOGY</b>	<b>TEACHING LEARNING MATERIALS/AIDS</b>	<b>INTERFACE</b>	<b>LEARNING OUTCOME</b>
<ul style="list-style-type: none"><li>• 2- D shapes</li><li>• Colouring of Figures</li><li>• Pattern in shapes</li><li>• Solids aroundus</li><li>• Sliding – Rolling.</li></ul>	<ul style="list-style-type: none"><li>• Demonstration,</li><li>• Inductive and deductive</li><li>• Play way</li></ul>	Models of different shapes Objects with flat and rolling surfaces. .placing the objects in given different patterns	Motivate parents to show and explain their ward about different placement and shapes and their surfaces of different objects.	Student would be able to identify the shape and position of different objects. Able to classify the objects according to their surfaces.

# ARMY PUBLIC SCHOOL GOPALPUR

## SPLIT UP SYLLABUS (2020-21)

**CLASS: I**

**SUBJECT: MATHS**

**MONTH :AUGUST**

**NO. OF DAYS: 13**

**NO. OF PERIODS: 15**

**TOPIC :Ln-04 ; Subtraction( 1 – 20)**

<b>SUB- TOPICS</b>	<b>METHODOLOGY</b>	<b>TEACHING LEARNING MATERIALS/AIDS</b>	<b>INTERFACE</b>	<b>LEARNING OUTCOME</b>
<ul style="list-style-type: none"><li>• Partition of a collection.</li><li>• Subtraction of zero and one.</li><li>• Subtraction on number line.</li><li>• Vertical subtraction.</li><li>• Subtraction stories.</li></ul>	<ul style="list-style-type: none"><li>• Demonstration,</li><li>• Inductive and deductive</li><li>• Play way</li></ul>	Smart board string of beads Marbles and other countable objects from the surroundings	Motivate parents to help their ward by showing examples of subtracting the smaller numbers from the bigger numbers.	Student would be able to subtract the numbers and try to understand the concept of subtraction.

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## SPLIT UP SYLLABUS (2020-21)

**CLASS: I**

**SUBJECT: MATHS**

**MONTH :AUGUST**

**NO. OF DAYS: 10**

**NO. OF PERIODS: 12**

**TOPIC :Ln-06; Working with Number till 20**

<b>SUB- TOPICS</b>	<b>METHODOLOGY</b>	<b>TEACHING LEARNING MATERIALS/AIDS</b>	<b>INTERFACE</b>	<b>LEARNING OUTCOME</b>
<ul style="list-style-type: none"><li>• Number and number names (11 – 20)</li><li>• Count and write</li><li>• More or less.</li><li>• Expanded Form.</li><li>• Vertical subtraction.</li><li>• Subtraction and addition on number line.</li><li>• Adding three number(1 – digit).</li></ul>	<ul style="list-style-type: none"><li>• Demonstration,</li><li>• Inductive and deductive</li><li>• Play way</li></ul>	<ul style="list-style-type: none"><li>• Match sticks</li><li>• Different colour beads</li><li>• Abacus</li><li>• Number blocks</li></ul>	Parents will give numbers and asking to write different number names and help them. Parents will give idea using Abacus Parents will asking before , after and between using fingers.	<ul style="list-style-type: none"><li>• <b>Student will learned numbers and number names from 11 to 20.</b></li><li>• <b>Students will learn putting numbers in right places.</b></li><li>• <b>Students will learn more and less then numbers</b></li></ul>

# ARMY PUBLIC SCHOOL GOPALPUR

## SPLIT UP SYLLABUS (2020-21)

**CLASS: I**

**SUBJECT: MATHS**

**MONTH :SEPTEMBER**

**NO. OF DAYS: 07**

**NO. OF PERIODS:09**

**TOPIC :Ln-07 ; WORKING WITHNUMBERS TILL 50**

<b>SUB- TOPICS</b>	<b>METHODOLOG Y</b>	<b>TEACHING LEARNING MATERIALS/AID S</b>	<b>INTERFACE</b>	<b>LEARNING OUTCOME</b>
<ul style="list-style-type: none"><li>• Numbers (21 -50)</li><li>• Number and number names</li><li>• After , before and between.</li><li>• Greater than – less than</li><li>• Ascending or descending Order.</li><li>• Smallest or Greatest Number.</li></ul>	Demonstration, Inductive and deductive Play way	<ul style="list-style-type: none"><li>• Match sticks</li><li>• Different colour beads</li><li>• Abacus</li><li>• Number blocks</li></ul>	Parents will give numbers and asking to write different number names and help them. Parents will give idea using Abacus Parents will asking before , after and between using fingers.	<ul style="list-style-type: none"><li>• Student will learned numbers and number names from 21 to 50.</li><li>• Students will learn putting numbers in right places.</li><li>• Students will learn more and less then numbers</li></ul>



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## SPLIT UP SYLLABUS (2020-21)

**CLASS: I**

**SUBJECT: MATHS**

**MONTH :SEPTEMBER**

**NO. OF DAYS:08**

**NO. OF PERIODS:10**

**TOPIC :Ln-08 ; WORKING WITH NUMBERS TILL 100**

<b>SUB- TOPICS</b>	<b>METHODOLOGY</b>	<b>TEACHING LEARNING MATERIALS/AID S</b>	<b>INTERFACE</b>	<b>LEARNING OUTCOME</b>
<ul style="list-style-type: none"><li>• Numbers (51 – 100).</li><li>• Value of one hundred.</li><li>• Reverse counting (100 – 1).</li><li>• Expanded form</li><li>• Hidden number.</li><li>• After , before between.</li><li>• Ascending or Descending.</li></ul>	Demonstration, Inductive and deductive Play way	<ul style="list-style-type: none"><li>• Match sticks</li><li>• Different colour beads</li><li>• Abacus</li><li>• Number blocks</li></ul>	Parents will give numbers and asking to write different number names and help them. Parents will give idea using Abacus Parents will asking before , after and between using fingers.	<ul style="list-style-type: none"><li>• Student will learned numbers and number names from 51 to 100.</li><li>• Students will learn putting numbers in right places.</li><li>• Students will learn after and before numbers</li></ul>

# ARMY PUBLIC SCHOOL GOPALPUR

## SPLIT UP SYLLABUS (2020-21)

**CLASS: I**

**SUBJECT: MATHS**

**MONTH :OCTOBER**

**NO. OF DAYS: 18**

**NO. OF PERIODS: 21**

**TOPIC :Ln-08 ; WORKING WITH NUMBERS TILL 100**

<b>SUB- TOPICS</b>	<b>METHODOLOGY</b>	<b>TEACHING LEARNING MATERIALS /AIDS</b>	<b>INTERFACE</b>	<b>LEARNING OUTCOME</b>
<ul style="list-style-type: none"><li>• Addition of tens and Ones</li><li>• Addition and Subtraction of tens to tens and ones to ones.</li><li>• Addition and Subtraction stories.</li><li>• Lid problem.</li></ul>	<ul style="list-style-type: none"><li>• Demonstration,</li><li>• Inductive and deductive</li><li>• Play way</li></ul>	Ganit mala Number cards Abacus Smart board	<ul style="list-style-type: none"><li>• Parents will give examples of different materials like match sticks, chocolates fruits ,pencils to solve sums and motivate to solve word problems by understanding the concept of addition and subtraction.</li></ul>	<ul style="list-style-type: none"><li>• Students will learn simple addition and subtraction and also word problems and using the concept in day to day life.</li></ul>

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## SPLIT UP SYLLABUS (2020-21)

**CLASS: I                      SUBJECT: MATHS**

**MONTH :        NOVEMBER**

**NO. OF DAYS:08**

**NO. OF PERIODS: 10**

**TOPIC        :Ln-09 ; PRE – NUMBER CONCEPTS – PART II**

<b>SUB- TOPICS</b>	<b>METHODOLOGY</b>	<b>TEACHING LEARNING MATERIALS/AIDS</b>	<b>INTERFACE</b>	<b>LEARNING OUTCOME</b>
<ul style="list-style-type: none"><li>• Taller – shorter .</li><li>• Tall – Taller Tallest.</li><li>• Tallest – Shortest.</li><li>• Long – Longer –Longest.</li><li>• Wider – Narrower.</li><li>• Widest –Narrowest.</li><li>• Patterns in numbers.</li></ul>	<ul style="list-style-type: none"><li>• Demonstration,</li><li>• Inductive and deductive</li><li>• Play way</li></ul>	Different sized objects. rope pencil stick scale	.Parents can show different objects	Will be able to measure with scale, with body measurements Will be able to complete the patterns with the help of increasing order

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## SPLIT UP SYLLABUS (2020-21)

**CLASS: I**

**SUBJECT: MATHS**

**MONTH : NOVEMBER**

**NO. OF DAYS: 15**

**NO. OF PERIODS:17**

**TOPIC :Ln-10 ; MEASUREMENT**

<b>SUB- TOPICS</b>	<b>METHODOLOGY</b>	<b>TEACHING LEARNING MATERIALS/AIDS</b>	<b>INTERFACE</b>	<b>LEARNING OUTCOME</b>
<ul style="list-style-type: none"><li>• Estimating and Measuring length.</li><li>• Heavier – Lighter.</li><li>• Heaviest – Lighter.</li></ul>	<ul style="list-style-type: none"><li>• Demonstration,</li><li>• Inductive and deductive</li><li>• Play way</li></ul>	Body measurements Fingers, Span, cubit, feet Measuring pots and rods.	. Measure the length of mothers saree, compare the length of his/her hand with their father Measuring the bottle, with the help of glass	Will be able to measure their pencils, desks, and height of their friends. By touching the objects they can measure the weight of objects

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## SPLIT UP SYLLABUS (2020-21)

**CLASS: I**

**SUBJECT: MATHS**

**MONTH : DECEMBER**

**NO. OF DAYS: 08**

**NO. OF PERIODS: 10**

**TOPIC :Ln-11 ; TIME**

<b>SUB- TOPICS</b>	<b>METHODOLOGY</b>	<b>TEACHING LEARNING MATERIALS/AIDS</b>	<b>INTERFACE</b>	<b>LEARNING OUTCOME</b>
<ul style="list-style-type: none"><li>• Day and Night.</li><li>• Estimating Time.</li><li>• Days of the week</li></ul>	<ul style="list-style-type: none"><li>• Demonstration,</li><li>• Inductive and deductive</li><li>• Play way</li></ul>	Wall clock Nature calender.	Identify day and night.,will able to see the time and days	Student will be able to differentiatedefferent period of days and will learn and understand days

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## SPLIT UP SYLLABUS (2020-21)

**CLASS: I**

**SUBJECT: MATHS**

**MONTH : DECEMBER**

**NO. OF DAYS: 12**

**NO. OF PERIODS: 14**

**TOPIC :Ln-12 ; MULTIPLICATION**

<b>SUB- TOPICS</b>	<b>METHODOLOGY</b>	<b>TEACHING LEARNING MATERIALS/AIDS</b>	<b>INTERFACE</b>	<b>LEARNING OUTCOME</b>
<ul style="list-style-type: none"><li>• Multiplication as Repeated addition.</li><li>• Multiplication Table of 2 3 4 5</li><li>• Multiplication Stories</li></ul>	<ul style="list-style-type: none"><li>• Demonstration,</li><li>• Inductive and deductive</li><li>• Play way</li></ul>	<ul style="list-style-type: none"><li>• Match sticks</li><li>• Candles</li><li>• Dummy of flowers</li><li>• Marbles</li></ul>	<ul style="list-style-type: none"><li>• Parents will help to find students one to more values by giving examples of daily life i.e. by distributing sweets , cakes to their family members.</li></ul>	<ul style="list-style-type: none"><li>• Students will learn basics of multiplication and they use it in their daily life.</li><li>• Students learn double digit multiplication and using in story problems.</li></ul>

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## SPLIT UP SYLLABUS (2020-21)

**CLASS: I                      SUBJECT: MATHS**

**MONTH : JANUARY**

**NO. OF DAYS: 12**

**NO. OF PERIODS: 13 TOPIC : Ln-13 ; MONEY**

<b>SUB- TOPICS</b>	<b>METHODOLOGY</b>	<b>TEACHING LEARNING MATERIALS/AIDS</b>	<b>INTERFACE</b>	<b>LEARNING OUTCOME</b>
<ul style="list-style-type: none"><li>• Multiplication as Repeated addition.</li><li>• Multiplication Table of 2 3 4 5</li><li>• Multiplication Stories</li></ul>	<ul style="list-style-type: none"><li>• Demonstration,</li><li>• Inductive and deductive</li><li>• Play way</li></ul>	<ul style="list-style-type: none"><li>• Dummy of different coins</li><li>• Dummy of different notes</li></ul>	<ul style="list-style-type: none"><li>• Parents will clear the concept of money and notes by taking them to markets.</li><li>• In market they clear the concept of add and sub.</li></ul>	<ul style="list-style-type: none"><li>• Student will be able to understand the difference of coin and notes.</li><li>• Students will be able to convert paise to coins and paise to coins.</li></ul>

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## SPLIT UP SYLLABUS (2020-21)

CLASS: I

SUBJECT: MATHS

MONTH : JANUARY

NO. OF DAYS:10

NO. OF PERIODS: 12

TOPIC :Ln-14 ; DATA HANDLING

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
<ul style="list-style-type: none"><li>Data Handling</li></ul>	<ul style="list-style-type: none"><li>Demonstration,</li><li>Inductive and deductive</li><li>Play way</li></ul>	Different animals chart School garden.	<ul style="list-style-type: none"><li>Parents can help them in collecting information</li></ul>	Will be able to answer the questions

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## SPLIT UP SYLLABUS (2020-21)

CLASS: I

SUBJECT: MATHS

MONTH : FEBRUARY

NO. OF DAYS:22

NO. OF PERIODS: 25

TOPIC :Ln- 8 TO 14

SUB- TOPICS	METHODOLOGY	TEACHING LEARNING MATERIALS/AIDS	INTERFACE	LEARNING OUTCOME
<ul style="list-style-type: none"><li>REVISION</li></ul>	<ul style="list-style-type: none"><li></li></ul>			