ARMY PUBLIC SCHOOL

ASC CENTRE & COLLEGE, BANGALORE

CLASS: 7   **FIRST TERM, SA I**

SUBJECT: MATHEMATICS

SN	CHAPTER & TOPIC	ACTIVITY PLANNED/ CONDUCTED	LIFE SKILL DEVICES	VALUE GAINED
1.	Integers	a)To find the sum & differenceof2integers by using dominoes. b) To find the product of 2 integers using a number line.	.Thinking skills Thinking, problem solving and conceptual understanding.	.To develop the spirit of enquiry
2.	Fractions &decimals	a) To find the product of two fractions. b)To find the product of two decimals	.Thinking skills Thinking ,problem solving and conceptual understanding .Emotional Skills Is optimistic. Seeks help of teachers in difficult situation.	.Verifies knowledge and develops accuracy
3.	Rational Numbers	a)To display the set of positive rational numbers with the help of a rational number triangle. (Worksheet based).	.Thinking skills Logical reasoning and analyzing.	.Develops accuracy
4.	Powers	a) Puzzle based worksheet. b) To find the exponential values of 2^0 ,2^1 etc using paper folding.	.Thinking skills Recognizing and analyzing problems .Social skills Seeks feedback from teachers & peers.	.Analyzes and critically evaluates
5.	Algebraic Expressions	a) Triangular Numbers & Square numbers using binds. b) Grid based worksheet.	.Logical Thinking and reasoning Recognizes and analyzes problems .Social skills Helps classmates in terms of difficulty	.Explains logically
6.	Linear Equations	a) To find the root of the	.Logical thinking	.Explains

		given equation and fill in the cross word puzzle.	and reasoning .Social skills Sensitive and supportive to differently abled students	processes and products logically .Experiments to find new solutions.
7.	Ratio & proportion	a) "Mixing of paints" A passage will be read and few questions will be asked about mixing of basic colors, and how many parts of each basic color should be used.	.Conceptual understanding and creative thinking	.Develops spirit of enquiry.

SECOND TERM SUMMATIVE ASSESSMENT – II

S N	CHAPTER & TOPIC	ACTIVITY PLANNED/ CONDUCTED	LIFE SKILL DEVICES	VALUE GAINED
8.	Percentages and its application	a)To use a 10x10 grid to represent a percent and to solve various % problems.	.Thinking skills Recognizes and analyzes problems	.Inclination to protect and improve our natural environment.
9.	Lines and Angles	a)To show the properties of parallel lines with transversal, through paper folding and cutting. b) To show that F-shape and Z-shape stands for corresponding & alt interior angles using ppt presentation.	.Observational skills Application of concepts .Learning skills Conceptual understanding.	.Logic improvement
10.	The Triangles and its properties	a)To prove Pythagoras theorem. b) ppt presentation.	.Observational skills and learning skills.	.Logic improvement
11.	Constructions	a) Construction based worksheet. b) To construct Sierpinski triangles.	.Creative thinking, analytical thinking and accuracy.	.spirit of enquiry
12.	Congruence of triangles	a) To create a beautiful tiling pattern using congruent shapes.	.Creative thinking, analytical thinking and accuracy.	Scientific temper &spirit of enquiry.

13.	Symmetry	a)To understand reflection and rotational symmetry using models & ppt.	.Creative thinking, analytical thinking and accuracy.	.spirit of enquiry
14.	Three dimensional figures.	a)To draw the net of Tetrahedron , Dodecahedron and make a solid shape.	.Open to modification and flexibility in thinking.	Creates & relates
15.	Mensuration	a)To find the area of a triangle by counting squares. b) To find tans from a square and find their area.	.Observational skills and conceptual understanding .Hearing skills and interpretation.	Experiments to find new solutions.
16.	Data Handling	a) For one week, collect data about sunrise & sunset, from newspaper. Draw bar graph for the collected data.	.Creative skills .Learning skills Observe and evaluate	Makes an effort to improve academic performance.

BY RAJESWARI SRIDHAR