

# ARMY PUBLIC SCHOOL, R.K. PURAM

## Holistic Personality Development ( HPD ) Integrated Into School Curriculum 2014

*Subject: Mathematics*

S.no	Name of the unit / Chapter	Activity	Personality Traits / Values
1.	Numbers and Number Names	Population of five countries is represented in the form of Indian and International system of Numeration	Global Outlook and Team Work.
2.	Operations on Numbers	Find the latest male and female population of your state and then add to find the total population. Find also the difference.	Reasoning and logical thinking.
3.	Properties of Whole numbers	Number patterns in Triangular and Square numbers .	Creative thinking and individuality.
4.	Factors and Multiples	Factors of 24 , 36 and 12 in different patterns.	Innovative mind set.
5.	Fractions	Addition and Subtraction of Fractions .	Problem solving and confidence.
6.	Decimals	Addition and Subtraction of decimals on a graph sheet.	Time intelligence and self awareness.
7.	Integers	A grid of 10 x 10 for addition and Subtraction of Integers.	Reasoning and logical thinking.
8.	Ratio and Proportion	The total monthly income of mother and father and their expenditure in Ratio form.	Networking ability and curiosity.
9.	Introduction to Algebra	The formula to make n U's with match sticks as given .  The letters selected may be A , H , M , N and w.	Creative and critical thinking.
10	Basic Geometrical Concepts.	Find the centre , diameter, chord and radius of a circle by paper folding.	Innovative mind set.

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11.	Understanding Geometrical Shapes	Make a clock to show the different angles like obtuse , acute ,right and straight angle.	Confidence and discipline.
12.	Symmetry	Making ink devils showing the line of symmetry.	Creative and critical thinking.
13.	Constructions	Perpendicular , perpendicular bisector of a line segment by paper folding .	Long term vision.
14.	Mensuration	Find the dimensions and the area of the cover page of the mathematics textbook.	Networking ability.
15.	Data Handling	To find the strength of all the sections of class VI and represent them in the in the form of pictograph.	Networking ability and curiosity.

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