**Delhi Public School
Srinagar**

CLASS - **7**th ~ October, 2015

CLASSES REQUIRED	Simple linear equations. 10
TOPIC	Simple linear equations;
CONCEPT & SKILLS	Introduction, balancing an equation, root of an equation, solution of a linear equation, simple applications of a linear equation. Conversion of a statement into equation and vice versa. Checking the solution of an equation. Solving an equation using different methods.
LEARNING OUTCOMES	**Simple linear equations.** Students will be able to convert day-to-day problems into equations and solve them. Students will learn different methods to solve a given linear equation. Students will come to know how to balance an equation.
INSTRUCTIONAL TOOLS & REFERENCES	i) Text book for the topics. ii) Online links for practise and concept reinforcement iii) Individual activity for simple linear equations. .
PEDAGOGY	**Simple linear equations:** i) To identify linear equations. ii) To learn different methods of solving linear equation iii) To verify the solution of an equation. iv) To construct the equations for the situations given in the form of word problems.
ACTIVITY / ASSIGNMENT / RESEARCH	i) Class assignments based on questions from the text book. ii) Individual activity for introduction to simple linear equations.
ASSESSMENT	i) Written assignment ii) Individual activity iii) Worksheet.
SYLLABUS FOR FORMATIVE & SUMMATIVE ASSESSMENT	DETAILED PLANNER OF **MATHS** **Simple linear equations:** Questions based on text book; Revision Exercise. Individual activity for simple linear equations.

CLASS - **7**^th ~ October, 2015

CLASSES REQUIRED	Algebraic expression : 18 :
TOPIC	Algebraic expression ;
CONCEPT & SKILLS	To understand the difference between coefficients, factors and terms. To understand the degree, like and unlike terms of an algebraic expression. To simplify expressions by adding or subtracting like terms. To find the value of an expression. To understand that a variable can represent different numbers at different times.
LEARNING OUTCOMES	**Algebraic expression :** Students will learn to simplify the expressions which will further help to solve the equations. They will also use the concept of algebraic expressions as formulae for finding perimeter and area of plane figures. Students will be able to evaluate an Algebraic expression for different values
INSTRUCTIONAL TOOLS & REFERENCES	i) Text book for the topics. ii) Online links for practise and concept reinforcement. ii) Individual activity for Algebraic expression.
PEDAGOGY	**Algebraic expression:** i) Creating different examples of day to day life for making different algebraic expressions. ii) To develop the concept of terms, factors, numerical coefficients, types of algebraic expressions. iii) To simplify expressions by adding or subtracting like terms. Iv) To understand the difference between coefficients, terms and degree.
ACTIVITY / ASSIGNMENT / RESEARCH	i) Class assignments based on questions from the text book. ii) Individual activity for introduction to Algebraic expression.
ASSESSMENT	i) Written assignment ii) Individual activity iii) Worksheet.
SYLLABUS FOR FORMATIVE & SUMMATIVE ASSESSMENT	**Algebraic expression:** Questions based on text book; Revision Exercise. Individual activity for algebraic expressions.