

LEARNING
OUTCOME

बच्चों में सद्मार्ग पर चलने हेतु उत्साह का संचार हुआ ।

बच्चों में भाषा, बोली, लिपि और व्याकरण की समझ विकसित हुई ।

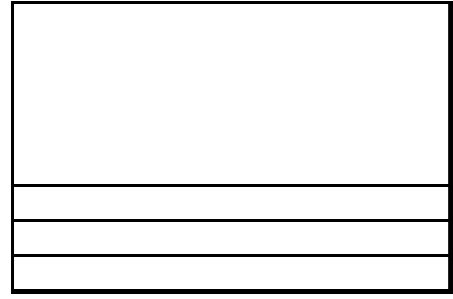
बच्चों में भाषागत शिष्टता, मधुरता का बोध उत्पन्न हुआ ।

बच्चों वर्णों के आकार, प्रकार एवं प्रयोग से भलीभांति परिचित हुए ।

बच्चे परोपकार क महत्व से भलीभांति परिचित हुए ।

बच्चों संधि के प्रकार एवं प्रयोग से भलीभांति परिचित हुए ।

बच्चों स्वयं में एक अच्छे मित्र के लक्षण आत्मसात करने में सक्षम हुए ।





INTERNATIONAL PUBLIC SCHOOL, PURNEA

SUBJECT Mathematics

GRADE 7

UNIT AND THEME	OBJECTIVE TO BE ACHIEVED	COMPETENCIES	DATE OF START & END	NUMBER OF PERIODS	USE OF INNOVATIVE STRATEGY	CHECKING PREVIOUS KNOWLEDGE	RESOURCES USED	VALUE DERIVED	CROSS CURRICULAR APPROACH TO BE LINK WITH INNOVATION AND GLOBAL CULTURE	ELEMENT OF INNOVATION	LEARNING OUTCOME
1. KNOWING OUR NUMBERS	*Division of integers *multiplying integers *properties of integers	Independent Learning	18 april to 22 april	5	Draw the concept map of INTEGERS and make a table chart for different properties of integers	Number knowledge and their types , all about integers - positive integers, negative integers and zero and their representation on number line	cardboard, white chart paper,graph strips, scissors , glue different coloured pencil,	INTEGRITY	in computer -nwe can check that if a number in excel is an Integer.	To verify that addition and multiplication of whole number is commutative	All students abled tounderstand the division of integers , multiplication of integers and the properties of integers
2. FRACTION	*Reciprocal of a fraction *Multiplication of fraction *Division of fraction	Critical Thinking	25 to 6 may	7	A PPT Presentation on it, and concept map of fraction	types of fraction- proper, improper fraction, mixed fraction, like andunlike fraction and question based on them	white chart paer, soft cardboard,ruler,pencil, sketch pens, scissors	Honesty	in computer this can help in the writing fraction in HTML. With the help of fraction we can calculate different parts of any object.	with an activity- To find fraction equivalent to a given fraction	al students will able to understand the Reciprocal of a fraction , Multiplication of fraction and Division of fraction
3. Rational Numbers	*What is rational numbrers * Types of rational numbers *Rational number on number line *Standard form , absolute value and equivalent form of rational number, *Comparison of rational numbers *Addition,subtraction, multiplication and division of rational numbers, * Ratriional number between two rational numbers *Rational numbers as decimals *Rule to find terminating or non- terminating repeating decimals	Critical Thinking	9 to 18 may	7	explain with the help of venn diagram of number, and concept map of rational numbers	about numbers - like natural number, whole numbers, integers and recap exercise	square sheet, sketch pens of different colours.	Care	rational numbers are used frequently in many areas of mathematics as well as the sciences and even in the humanities. Because life is not always explained using whole numbers understanding how decimals and fractions work is pivotal for understanding trends in geography and business. Additionally, rational numbers are used extensively in the calculations students will be expected to do in Chemistry, Physics, and Biology. Square roots are also often present in scientific formulae	through an activity - find the sum of two rational number with same denominator	all students will abled to understand *What is rational numbrers * Types of rational numbers *Rational number on number line *Standard form , absolute value and equivalent form of rational number, *Comparison of rational numbers *Addition,subtraction, multiplication and division of rational numbers, * Ratriional number between two rational numbers *Rational numbers as decimals *Rule to find terminating or non- terminating repeating decimals
4. DECIMALS	*Divison of decimals fraction *multiplying decimals fraction *conversion of units	Problems Solving	4 to 8 July	5	explain with the help of video presentation and presentation of ppt	about the parts of decimal representation, comparing and ordering decimals and smal recap exercise	3 cardboards, 3 white chart paper, ruler, pencil, eraser, adhesive,three sketch pens of different colours	Tolerance	decimals are used in develop financial capability, also uses ICT to solve problems and/or present their work.	through an activity - represent a decimal numbers using a grid paper	all students able to understand the concept of decimals and *Division of decimals fraction *multiplying decimals fraction *conversion of units
5. EXPONENTS AND POWERS	*Use of exponents in expressing *laws of exponents *large numbers	Critical Thinking	11 to 15 July	5	explain with concept map of and an activity based on it different formulas of exponents and powers	square and square root of numbers 1 to 20	3 cardboards, 3 white chart paper, ruler, pencil, eraser, adhesive,three sketch pens of different colours	INTEGRITY	use of exponents and powers in expressing large numbers in a scientific notation.	through an activity - to find the value of a raise to the power n using paper folding	all students will able to understand the concept of exponents and powers ,Use of exponents in expressing *laws of exponents *large numbers
6. ALGEBRAIC EXPRESSION	*Types of algebraic expression, *fraction of an Algebraic expression *addition of algebraic expressions *subtraction of algebraic expression * simplification of algebraic expression * evaluating algebraic expression	Critical Thinking	20 to 28 July	7	explain with the video presentation and also with the concept map of algebraic expression	meaning of algebra , varaiible coefficient and about constast , meaning of several different ways to describe expression with words and a recap exercise	cardboards, chart paper, match sticks and glue	Tolerance	in computer it helps in coading ND DECODING	through an activity make an algebraic expression through a amthchstics	all students will able to understand the meaning of linear equation in one variable, *Types of algebraic expression, *fraction of an Algebraic expression *addition of algebraic expressions *subtraction of algebraic expression * simplification of algebraic expression * evaluating algebraic expression
7. SIMPLE LINEAR EQUATIONS	*what is an equation *solving an equation *linear equation in one variable	Problems Solving	1 to 5 aug	5	EXPLAIN with the help of concept map and video presentation of the simple linear equations	difference between expression and equations and the recap exercise	square sheet, sketch pens of different colours.	Care	it helps in balancing the quantity and also help in the finding the value of the unknown quantity	through an activity of balancing find the unknown quantity	all students will able to understand that what is an equation *solving an equation *linear equation in one variable
8. COMMERCIAL MATHEMATICS	*Ratio *proportion *Unitary Method *perCent *Profit and loss *Simple Interest	Problems Solving	9 to 19 aug	6	explain the help of ppt presentation and explain the simple process through A STORY	FINDING RATIO- simplest and equivalent ratio and proportionaland the recap exercise	cardboards, chart paper, match sticks and glue	Honesty	it helps in the commercial world for calculating profit loss, percentage , and interest	through an activity of purchasing some items and calculate the profit and loss	all students ill able to understand the *Ratio *proportion *Unitary Method *perCent *Profit and loss *Simple Interest
9. LINES AND ANGLES	*Basic concept about line *Transversal lines *Pairs of nangles	Creativity	22 to 26 aug	5	explain with the help of ppt presentation and using geometrical shapes and concept map of lines and angles	about parallel limes, angles ,and a short recap exercise	thick paper, pencil/ pen	Respect	helps for the drawing different geometrical figure in construction of a building	through an activity - to draw a perpendicular to a line from a point not on it. By paper folding	all students will able to understand the *Basic concept about line *Transversal lines *Pairs of nangles
10. PROPERTIES OF TRIANGLES	*Basic concept about triangles *Types of triangles on the basis of sides *Types of triangles on the basis of angles * Angles of triangles *Angle sum property of a triangle * Exterior angle property *Sum of two sides of a triangle *Pythagoras Theorem	Critical Thinking	29 to 9 sep	7	explain with the help of book and video presentation	about triangles , interior and exterior part of a triangle , altitude median of a triangle	thick paper , pencil/ pen , ruler, scissors	Respect	help in finding the area of a building in a triangular shapes	to obtain angle bisector of an angle by paper folding	all students will able to understand the*Basic concept about triangles *Types of triangles on the basis of sides *Types of triangles on the basis of angles * Angles of triangles *Angle sum property of a triangle * Exterior angle property *Sum of two sides of a triangle *Pythagoras Theorem
11. SYMMETRY	*Meaning of symmetry *Point symmetry *Rotational symmetry * Figures with both reflection and rotational symmetry	Creativity	12 to 14 sep	3	explain with the help of different pictorial representation	line of symmetry , reflection symmetry , and a short recap exercise	white chart paper, soft cardbo	Tolerance	help in finding the similar figure	to find the lines of symmetry of a figure by paper folding	all students will able to understand theMeaning of symmetry *Point symmetry *Rotational symmetry * Figures with both reflection and rotational symmetry
12. REPRESENTING 3D IN 2D	*Meaning of 2D and 3D * faces, Edges, and Vertices of 3D shapes *Drawing solid shapes * Drawing 3Dshapes on squared paper *net of 3Dshapes *Matching pictures with objects *Mapping the Space Around through visual estimation * Visualising solid objects	Critical Thinking	22 to 30 sep	7	explain with the help of diagrametical representation of different 2d and 3d objects	2d shapes objects , 3d shapes objects and a short recap exercise	cardboard , ruler, pencil, colours , adhesive glaze paper	INTEGRITY	in art and drawing it helps in the representing 2d figure inb the 3d	to obtain formula for the area of rectangle	all students will able to u nderstand the Meaning of 2D and 3D * faces, Edges, and Vertices of 3D shapes *Drawing solid shapes * Drawing 3Dshapes on squared paper *net of 3Dshapes *Matching pictures with objects *Mapping the Space Around through visual estimation * Visualising solid objects
13. CONGRUENCE	*Congruence *congruence of plane figures *congruence of triangles	creativity	10 to 14 oct	5	explain with the help of different congruence figure	figure of same shape and size	cycle spokes/ wooden sticks/ tooth picks etc. , valve tube pieces, nut bolt, thick thread,	INTEGRITY	in the drawing	to establish the fact that triangle is the most rigid figures	all students will able to understand the
14. CONSTRUCTION	*Construction of triangles * construction of parallel lines	Creativity	17 to 21 oct	5	explain with the help of construction	about the different instruments of a geometrical bix	cardboard , ruler, pencil, colour	Care	helps i n the drawing		all students will able to understand the Construction of triangles * construction of
15. PERIMETER AND AREA	*perimeter *Concept of area *Area between two rectangles *Circle *Area of a circle	Problems Solving	2 to 17 nov	11	make a chart of area and perimeter of different geometrical figure	perimeter of square , rectangle and triangle	cardboard, white chart paper,graph strips, scissors , glue different coloured pencil, eraser adesive, c0lours,	Honesty	helps in constructing the shape and size	to explain RHS criterion for congruency of two right trisangles	all students will able to understand the concept of perimeter *Concept of area *Area between two rectangles *Circle *Area of a circle
16. DATA HANDLING	*Categories of data *collection of data *organisation of data *construction of bar graphs *measures of central tendency *probability *randomness	Problems Solving	1 to 9 dec	7	video representation of different representation of graph	collection and organisation of data , what are raw data secondary and primary data, frequency distribution	bag,balls of the same size but different colours, pen/ pencil.	Honesty		through an activity - to understand the meaning of less likely and more likely of the outcome of an experiment.	all students will able to understand the concept of statistics and probability, *Categories of data *collection of data *organisation of data



INTERNATIONAL PUBLIC SCHOOL, PURNEA

SUB ENGLISH

GRADE 7

UNIT	OBJECTIVE TO BE ACHIEVED	COMPETENCIES	DATE OF START & END	NUMBER OF PERIODS	USE OF INNOVATIVE STRATEGY	CHECKING PREVIOUS KNOWLEDGE	RESOURCES USED	VALUE DERIVED	CROSS CURRICULAR APPROACH TO BE LINK WITH INNOVATION AND GLOBAL CULTURE	ELEMENT OF INNOVATION	LEARNING OUTCOME
Unit 2 On the Move Ch 4- Those Six days	At the end of the lesson students will learn the importance of dairy writing	Developing observation	20/06/22-25/06/22	5	Student centric	Have they ever been on a road trip	charts, videos, worksheet, textbook	Importance of dairy entry	Ask them share experience of any road trip	Importance of dairy entry	students learned about the concerned text
Ch 5- Around the world in 80 days	At the end of the lesson students will learn how Fogg tries to win the bet	The possibility/probability of going around the globe in eighty days.	27/06/22-02/07/22	6	Student centric	Do they know about the author.	textbook and worksheet	How challenging oneself can improve one's personality	some other value developed while fulfilling the process of challenges	Benefits of challenging oneself	students learned about the concerned text
Ch- 6 A Trek Through the Himalayas	At the end of the lesson the students will learn about the difficulties of trekking in Himalayas	Experiences we gain while overcoming difficulties of life	04/07/22-09/07/22	6	Student centric	Have they ever been on the trek.	charts ,text book ,worksheets	Experiences of life through the hardships	Ask them to share their experience of any trekking	Joy of overcoming hardship of life	students learned about the concerned text
Unit-3 A laugh Riot Ch 7- Henry: A Chameleon	At the end of the lesson the students	Will know about the Weird behavior of reptile	11/07/22-16/07/22	6	Student centric	Have they ever observed how the chameleon behave	charts, videos, worksheet, textbook	highlight the human-a	Bonds between the pets and his master	Will develop empathy t	students learned about the concerned text
Ch 8- Packing for the Journey	At the end of the lesson students will	Will know that packi	18/07/22-23/07/22	5	Student centric	What are does and don	textbook and worksheet	Will know the basics of packaging	It is an extraction from the novel 'Three Men in a Boat'	Will know how organizing things properly makes life easy	students learned about the concerned text
Ch9- Foolish Questions	At the end of the lesson students will learn that the questions asked in this poem are not intelligent and that they don't need any answers because there aren't any.	Will know that the author is enumerating all the different parts of the body that have	25/07/22-30/07/22	6	Student centric	Do they the the different meanings of the body parts	charts ,text book ,worksheets	Will know the different meanings of the body parts	Do they know any other work by William cole	Will develop Wisdom, acceptance, kindness and forgiveness	students learned about the concerned text
Unit 4: Ch10- One Earth to One World	At the end of the lesson the students will know some very important issues regarding the planet earth	Will learn how to live in it as we have only one earth	01/08/22-09/08/22	6	Student centric	Do they know about the unequal distribution of the earth's resources	charts, videos, worksheet, textbook	Will know the concern about the planet earth	Will learn about sustainable ways to use resources	Will learn about sustainable ways to use resources	students learned about the concerned text
Ch 11- The Stranger	At the end of the lesson students will know about the meaninglessness of human life	Will learn about the importance of physical experience	10/08/22-18/08/22	6	Student centric	Their experience with any stranger they have met	charts ,text book ,worksheets	Will know the importance of relationships	Physical experience over mental analysis	Will learn how being authentic is important in life	students learned about the concerned text
Ch 12- Where the Mind is Without fear	at the end of the lesson students will learn about the poet's vision of freedom for his country	Mind without fear can easily stand the test of time	18/08/22-27/08/22	6	Student centric	Have they read any work of RB Tagore	charts ,text book ,worksheets	Will understand the importance of life full of dignity and honour	Have they read any work of RB Tagore	Mind without fear can easily stand the test of time	students learned about the concerned text
Unit 5: Hullo, Mr.Ghost! Ch 13- Sir Lawley's ghost	At the end of the lesson students will learn about the popular ghost story in the school	Will learn why the lawleys school was ideal for ghosts	29/08/22-07/09/22	6	Student centric	Have they heard any popular ghost story	charts, videos, worksheet, textbook	Will know the story behind Sir Lawley Ghost	have they had any ghost experience before	Analytical ability of student increases	students learned about the concerned text
Ch 14 - The Ghost of the Christmas yet to come	At the end of the lesson students will know how ghost helps Scrooge to foresee future events.	Will know the summary of the chapter	08/09/22-17/09/22	6	Student centric	Have they read A Christmas Carol	charts, videos, worksheet, textbook	Will know how to live life so that people will remember you for your goodness	have they had any ghost experience before	Analytical ability of student increases	students learned about the concerned text
Ch 15- The little Green Orchard	At the end of the lesson students will	Will learn how the p	18/09/22-26/09/22	6	Student centric	have they read any othe	textbook and worksheet	Will know about the s	Will discuss the other works of tl	will understand the syn	students learned about the concerned text
Unit 6: Building Bridges Ch 16 - Apologize!	At the end of the lesson the students	Will know the impor	27/09/22-04/10/22	6	Student centric	Any work of Socrates	charts ,text book ,worksheets	Democracy judgemen	Importance of apology	Critical thinking of stud	students learned about the concerned text
Ch 17- On Being Sarah	At the end of this lesson students wil	Cerebral palsy	05/10/22-15/10/22	6	Student centric	Do they know about cer	charts, videos, worksheet, textbook	Hardships of Sarah	How to never give up	how any difficulty can r	students learned about the concerned text
Ch 18- The English Lesson	At the end of the lesson students wil	Words with similar s	16/10/22-25/10/22	6	Student centric	What problems do they	textbook and worksheet	Will learn how humour	Ask them about the difficulties f	Analytical ability of student increases	students learned about the concerned text
Unit 7: Pictures of the Past Ch19 Salim an	At the end of the lesson students wil	Will know in detail a	26/10/22-03/11/22	6	Student centric	Are they familiar with S	charts ,text book ,worksheets	Will know about Skill	Do they know to play any instru	Will learn about the Ra	students learned about the concerned text
Ch 20- Mahabalipuram	At the end of the lesson students wil	Will know about the	03/11/22-12/11/22	6	Student centric	have they ever visite M	textbook and worksheet	Knowledge about Diff	Similar architecture found across	importance of ancient a	students learned about the concerned text
Ch- 21 The Fabulous, Fabled Silk Road	At the end of the lesson students wil	Will know the histor	12/11/22-22/11/22	6	Student centric	Do they know about silk	charts ,text book ,worksheets	Will know the process Sericulture and Sil route		Will about the silk and	students learned about the concerned text
Grammar - Worksheet	Students will be able to solve the worksheet	Collaboration/team work.	23/11/22-10/12/22	8	techniques to solve unseen passage	techniques to solve unseen passage	charts, videos, worksheet	Grammatical knowledge of student increases	students solve the questions based on the same	critical thinking	students learned about the concepts related to the text
Grammar - Worksheet 2	Students will be able to solve the worksheet	Collaboration/team work.	11/12/22-22/12/22	8	techniques to solve unseen passage	techniques to solve unseen passage	charts, videos, worksheet	analytical ability of the student increases	students solve the questions based on the same	analytical thinking	students learned about the concepts related to the text



INTERNATIONAL PUBLIC SCHOOL, PURNEA

IGNITE | ILLUMINE | INSPIRE

Grade:- 7. Subject:- Hindi & Grammar

Table with 12 columns: UNIT, OBJECTIVE TO BE ACHIEVED, COMPETENCIES, DATE OF START & END, NUMBER OF PERIODS, USE OF INNOVATIVE STRATEGY, CHECKING PREVIOUS KNOWLEDGE, RESOURCES USED, VALUE DERIVED, CROSS CURRICULAR APPROACH, ELEMENT OF INNOVATION, LEARNING OUTCOME. Rows include units like 'सच्ची मित्रता (कविता)', 'शब्द विचार (व्याकरण)', 'ईसा मसीह जीवनी', 'प्रत्यय (व्याकरण)', 'हैरफेर (व्यंग)', 'उपसर्ग (व्याकरण)', 'हमें ना बांधो प्राचीरों से (कविता)', 'समास व्याकरण', 'पाठ 8 क्या निराश हुआ जाए निबंध', 'व्याकरण संज्ञा', 'पाठ 9 गोंदर साई कहानी', 'व्याकरण लिंग', 'पाठ 10 हिमालय की चोटी पर कविता', 'व्याकरण पाठ 10 वचन', 'पाठ 11 दक्षिण गंगा गोदावरी यात्रा वृत्तान्त', 'व्याकरण कारक'.



INTERNATIONAL PUBLIC SCHOOL, PURNEA

SUBJECT Mathematics

GRADE 7

UNIT AND THEME	OBJECTIVE TO BE ACHIEVED	COMPETENCES	DATE OF START & END	NUMBER OF PERIODS	USE OF INNOVATIVE STRATEGY	CHECKING PREVIOUS KNOWLEDGE	RESOURCES USED	VALUE DERIVED	CROSS CURRICULAR APPROACH TO BE LINK WITH INNOVATION AND GLOBAL CULTURE	ELEMENT OF INNOVATION	LEARNING OUTCOME
1. KNOWING OUR NUMBERS	*Division of integers *multiplying integers *properties of integers	Independent Learning	18 april to 22 april	5	Draw the concept map of INTEGERS and make a table chart for different properties of integers	Number knowledge and their types , all about integers - positive integers, negative integers and zero and their representation on number line	cardboard, white chart paper,graph strips, scissors , glue different coloured pencil,	INTEGRITY	in computer -nwe can check that if a number in excel is an Integer.	To verify that addition and multiplication of whole number is commutative	All students abled tounderstand the division of integers , multiplication of integers and the properties of integers
2. FRACTION	*Reciprocal of a fraction *Multiplication of fraction *Division of fraction	Critical Thinking	25 to 6 may	7	A PPT Presentation on it, and concept map of fraction	types of fraction- proper, improper fraction, mixed fraction, like andunlike fraction and question based on them	white chart paer, soft cardboard,ruler,pencil, sketch pens, scissors	Honesty	in computer this can help in the writing fraction in HTML. With the help of fraction we can calculate different parts of any object.	with an activity- To find fraction equivalent to a given fraction	al students will able to understand the Reciprocal of a fraction , Multiplication of fraction and Division of fraction
3. Rational Numbers	*What is rational numbrs * Types of rational numbers *Rational number on number line *Standard form , absolute value and equivalent form of rational number, *Comparison of raitoal numbers *Addition,subtraction, multiplication and division of rational numbers, * Rrational number between two rational numbers *Rational numbers as decimals *Rule to find terminating or non- terminating repeating decimals	Critical Thinking	9 to 18 may	7	explain with the help of venn diagram of number, and concept map of rational numbers	about numbers - like natural number, whole numbers, integers and recap exercise	square sheet, sketch pens of different colours.	Care	rational numbers are used frequently in many areas of mathematics as well as the sciences and even in the humanities. Because life is not always explained using whole numbers understanding how decimals and fractions work is pivotal for understanding trends in geography and business. Additionally, rational numbers are used extensively in the calculations students will be expected to do in Chemistry, Physics, and Biology. Square roots are also often present in scientific formulae	through an activity - find the sum of two rational number with same denominator	all students will able to understand *What is rational numbers * Types of rational numbers *Rational number on number line *Standard form , absolute value and equivalent form of rational number, *Comparison of raitoal numbers *Addition,subtraction, multiplication and division of rational numbers, * Rrational number between two rational numbers *Rational numbers as decimals *Rule to find terminating or non- terminating repeating decimals
4. DECIMALS	*Division of decimals fraction *multiplying decimals fraction *conversion of units	Problems Solving	4 to 8 july	5	explain with the help of video presentation and presentation of ppt	about the parts of decimal representation, comparing and ordering decimals and smal recap exercise	3 cardboards, 3 white chart paper, ruler, pencil, eraser, adhesive,three sketch pens of different colours	Tolerance	decimals are used in develop financial capability, also uses ICT to solve problems and/or present their work.	through an activity - represent a decimal numbers using a grid paper	all students able to understand the concept of decimals and *Division of decimals fraction *multiplying decimals fraction *conversion of units
5. EXPONENTS AND POWERS	*Use of exponents in expressing *laws of exponents *large numbers	Critical Thinking	11 to 15 july	5	explain with concept map of and an activity based on it different formulas of exponents and powers	square and square root of numbers 1 to 20	3 cardboards, 3 white chart paper, ruler, pencil, eraser, adhesive,three sketch pens of different colours	INTEGRITY	use of exponents and powers in expressing large numbers in a scientific notation.	through an activity - to find the value of a raise to the power n using paper folding	all students will able to understand the concept of exponents and powers ,Use of exponents in expressing *laws of exponents *large numbers
6. ALGEBRAIC EXPRESSION	*Types of algebraic expression, *fraction of an Algebraic expression *addition of algebraic expressions *subtraction of algebraic expression * simplification of algebraic expression * evaluating algebraic expression	Critical Thinking	20 to 28 july	7	explain with the video presentation and also with the concept map of algebraic expression	meaning of algebra , variable coefficient and about constast , meaning of several different ways to describe expression with words and a recap exercise	cardboards, chart paper, match sticks and glue	Tolerance	in computer it helps in coading ND DECODING	through an activity make an algebraic expression through a amthchstics	all students will able to understand the meaning of linear equation in one variable , *Types of algebraic expression, *fraction of an Algebraic expression *addition of algebraic expressions *subtraction of algebraic expression * simplification of algebraic expression * evaluating algebraic expression
7. SIMPLE LINEAR EQUATIONS	*what is an equation *solving an equation *linear equation in one variable	Problems Solving	1 to 5 aug	5	EXPLAIN with the help of concept map and video presentation of the simple linear equations	difference between expression and equations and the recap exercise	square sheet, sketch pens of different colours.	Care	it helps in balancing the quantity and also help in the finding the value of the unknown quantity	through an activity of balancinbg find the unknown quantity	all students will able to understand that what is an equation *solving an equation *linear equation in one variable
8. COMMERCIAL MATHEMATICS	*Ratio *proportion *Unitary Method *perCent *Profit and loss *Simple Interest	Problems Solving	9 to 19 aug	6	explain the help of ppt presentation and explain the simple process through A STORY	finding RATIO- simplest and equivalent ratio and proportionaland the recap exercise	cardboards, chart paper, match sticks and glue	Honesty	it helps in the commercial world for calculating profit loss, percentage , and interest	through an activity of purchasing some items and calculate the profit and loss	all students ill able to understand the *Ratio *proportion *Unitary Method *perCent *Profit and loss *Simple Interest
9. LINES AND ANGLES	*Basic concept about line *Transversal lines *Pairs of nangles	Creativity	22 to 26 aug	5	explain with the help of ppt presentation and using geometrical shapes and concept map of lines and angles	about parallel limes, angles ,and a short recap exercise	thick paper, pencil/ pen	Respect	helps for the drawing different geometrical figure in construction of a building	through an activity - to draw a perpendicular to a line from a point not on it. By paper folding	all students will able to understand the *Basic concept about line *Transversal lines *Pairs of nangles
10. PROPERTIES OF TRIANGLES	*Basic concept about triangles *Types of triangles on the basis of sides *Types of triangles on the basis of angles * Angles of triangles *Angle sum property of a triangle * Exterior angle property *Sum of two sides of a triangle *Pythagoras Theorem	Critical Thinking	29 to 9 sep	7	explain with the help of book and video presentation	about triangles , interior and exterior part of a triangle , altitude median of a triangle	thick paper , pencil/ pen , ruler, scissors	Respect	help in finding the area of a bulding in a triangular shapes	to obtain angle bisector of an angle by paper folding	all students will able to understand the*Basic concept about triangles *Types of triangles on the basis of sides *Types of triangles on the basis of angles * Angles of triangles *Angle sum property of a triangle * Exterior angle property *Sum of two sides of a triangle *Pythagoras Theorem
11. SYMMETRY	*Meaning of symmetry *Point symmetry *Rotational symmetry * Figures with both reflection and rotational symmetry	Creativity	12 to 14 sep	3	explain with the help of different pictorial representation	line of symmetry , reflection symmetry , and a short recap exercise	white chart paper, soft cardboa	Tolerance	help in finding the similar figure	to find the lines of symmetry of a figure by paper folding	all students will able to understand theMeaning of symmetry *Point symmetry *Rotational symmetry * Figures with both reflection and rotational symmetry
12. REPRESENTING 3D IN 2D	*Meaning of 2D and 3D * faces, Edges, and Vertices of 3D shapes *Drawing solid shapes * Drawing 3Dshapes on squared paper *net of 3Dshapes *Matching pictures with objects *Mapping the Space Around through visual estimation * Visualising solid objects	Critical Thinking	22 to 30 sep	7	explain with the help of diagraphetical representation of different 2d and 3d objects	2d shapes objects , 3d shapes objects and a short recap exercise	cardboard , ruler, pencil, colours, adhesive glaze paper	INTEGRITY	in art and drawing it helps in the representing 2d figure inb the 3d	to obtain formula for the area of rectangle	all students will able to u nderstand the Meaning of 2D and 3D * faces, Edges, and Vertices of 3D shapes *Drawing solid shapes * Drawing 3Dshapes on squared paper *net of 3Dshapes *Matching pictures with objects *Mapping the Space Around through visual estimation * Visualising solid objects
13. CONGRUENCE	*Congruence *congruence of plane figures *congruence of triangles	creativity	10 to 14 oct	5	explain with the help of different congruence figure	figure of same shape and size	cycle spokes/ wooden sticks/ tooth picks etc. , valve tube pieces, nut bolt, thick thread,	INTEGRITY	in the drawing	to establish the fact that triangle is the most rigid figures	all students will able to understand the
14. CONSTRUCTION	*Construction of triangles * construction of parallel lines	Creativity	17 to 21 oct	5	explain with the help of construction	about the different instruments of a geometrical bix	cardboard , ruler, pencil, colour	Care	helps l n the drawing		all students will able to understand the Construction of triangles * construction of
15. PERIMETER AND AREA	*perimeter *Concept of area *Area between two rectangles *Circle *Area of a circle	Problems Solving	2 to 17 nov	11	make a chart of area and perimeter of different geometrical figure	perimeter of square , rectangle and triangle	cardboard, white chart paper,graph strips, scissors , glue different coloured pencil, eraser adesive, c00urs,	Honesty	helps in constructing the shape and size	to explain RHS criterion for congruency of two right trisangles	all students will able to understand the concept of perimeter * Concept of area *Area between two rectangles *Circle *Area of a circle
16. DATA HANDLING	*Categories of data *collection of data *organisation of datsa *construction of bar graphs *measures of central tendency *probability *randomness	Problems Solving	1 to 9 dec	7	video representation of different representation of graph	collection and organisation of data , what are raw data secondary and primary data, frequency distribution table and recap exercise	bag,balls of the same size but different colours, pen/ pencil.	Honesty		through an activity - to understand the meaning of less likely and more likely of the outcome of an experiment.	all students will able to understand the concept of statistics and probability, *Categories of data *collection of data *organisation of datsa *construction of bar graphs *measures of central tendency *probability *randomness

INTERNATIONAL PUBLIC SCHOOL, PURNEA

SUBJECT SOCIAL STUDIES

GRADE 6

UNIT and THEME	OBJECTIVE TO BE ACHIEVED	COMPETENCIES	DATE OF START & END	NUMBER OF PERIODS	USE OF INNOVATIVE STRATEGY		CHECKING PREVIOUS KNOWLEDGE	RESOURCES USED	VALUE DERIVED	CROSS CURRICULAR APPROACH TO BE LINK WITH INNOVATION AND GLOBAL CULTURE	ELEMENT OF INNOVATION	LEARNING OUTCOME
THE FIRST FARMERS AND HERDERS	LEARNER WILL UNDERSTAND THE IMPLICATIONS OF FARMING AND HERDING	GLOBAL AWARENESS	20th June to 24th June	5	WILL SHOW THEM THE TOOLS USED IN FARMING IN EARLIER TIMES.		THROUGH CROSS QUESTIONING AND SHORT QUIZ	PICTURES, VIDEOS AND TEXTBOOK	RESPECT AND INTEGRITY	SCIENCE	PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND THE IMPLICATIONS OF FARMING AND HERDING
THE FIRST CITIES	LEARNER WILL UNDERSTAND THE RISE AND EXTEND OF ANCIENT CIVILIZATIONS.	GLOBAL AWARENESS	27th June to 1st July	6	WILL ASK THEM THAT ACCORDING TO THEIR KNOWLEDGE HOW HOUSES ARE BUILT AND THEIR TYPES .		THROUGH SHOWING THEM SOME PICTURES OF THOSE TIME OF THEIR PREVIOUS CHAPTER TO RELATE	PICTURES, VIDEOS AND TEXTBOOK	RESPECT AND INTEGRITY	POLITICAL SCIENCE	VIDEOS, PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND THE RISE AND EXTEND OF ANCIENT CIVILIZATIONS.
DIFFERENT WAYS OF LIFE	LEARNER WILL UNDERSTAND THE ADVENT OF THE ARYANS AND THE VEDAS	CULTURAL AWARENESS	4th July to 8th July	5	WILL SHOW THEM SOME PICTURES RELATED TO VEDAS AND SOME INSCRIPTION		THROUGH CROSS QUESTIONING ON THE BASIS OF PICTURES, VIDEOS AND SHORT QUIZ	PICTURES, VIDEOS AND TEXTBOOK	RESPECT AND EMPATHY	ANCIENT INSCRIPTION OF DIFFERENT AGES	VIDEOS, PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND THE ADVENT OF THE ARYANS AND THE VEDAS
GLOBES AND MAPS	LEARNER WILL UNDERSTAND ADVANTAGES AND DISADVANTAGES OF GLOBES AND MAPS	CRITICAL THINKING	11th July to 15th July	4	WILL MAKE THEM SEE A ORIGINAL GLOBE AND WILL ASK THEM TO LOCATE THEIR COUNTRY ON THE		THROUGH CROSS QUESTIONING ON THE BASIS OF VIDEOS, CHARTS AND PICTURES TO RELATE THE TOPIC	PICTURES, VIDEOS AND TEXTBOOK	INTEGRITY	STRUCTURE AND FORMATION OF EARTH TO UNDERSTAND THROUGH GLOBE ,SCIENCE	VIDEOS, PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND ADVANTAGES AND DISADVANTAGES OF GLOBES AND MAPS
LATITUDES AND LONGITUDES	LEARNER WILL UNDERSTAND GEOGRAPHICAL GRIDS ,LATITUDES, LONGITUDES AND THEIR RELATION WITH TIME	CRITICAL THINKING	18th July to 22nd July	5	WILL SHOW THEM SOME TIMES ON CLOCK OF DIFFERENT COUNTRIES		THROUGH CROSS QUESTIONING ON THE BASIS OF SOME PICTURES AND VIDEOS	PICTURES, VIDEOS AND TEXTBOOK	CARE AND RESPECT	SCIENCE (physics)	VIDEOS, PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND GEOGRAPHICAL GRIDS ,LATITUDES, LONGITUDES AND THEIR RELATION WITH TIME
ROTATION AND REVOLUTION	LEARNER WILL UNDERSTAND MOVEMENT OF THE EARTH AND ITS EFFECTS.	GLOBAL AWARENESS AND CRITICAL THINKING	25th July to 29th July	5	WILL SHOW THEM A LIVE PROCESS OF REVOLUTION AND ROTATION THROUGH INVOLVING THEM AS		THROUGH DIAGRAMS AND VIDEOS AND WILL ASK SOME QUESTIONS RELATED TO THAT	PICTURES, VIDEOS AND TEXTBOOK	CARE AND RESPECT	SCIENCE (physics)	VIDEOS, PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND MOVEMENT OF THE EARTH AND ITS EFFECTS.
DIVERSITY, DISCRIMINATION AND EQUALITY	LEARNER WILL UNDERSTAND THE FUNDAMENTAL RIGHTS.	GLOBAL AWARENESS AND CRITICAL THINKING	1st Aug to 5th Aug	5	WILL ASK THEM SOME QUESTIONS ABOUT DIFFERENT STATES AND THEIR LANGUAGES TO RELATE THE TOPIC		THROUGH CROSS QUESTIONING ON THE BASIS OF SOME VIDEOS RELATED TO DIVERSITY .	PICTURES, VIDEOS AND TEXTBOOK	CARE AND RESPECT	THROUGH THE FOREST WILDLIFE,SCIENCE	VIDEOS, PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND THE FUNDAMENTAL RIGHTS.
GOVERNMENT	LEARNER WILL UNDERSTAND THE NEED FOR A GOVERNMENT AND ITS FORMS .	CITIZENSHIP AND GLOBAL AWARENESS	9th Aug to 19th Aug	8	WILL MAKE THEM UNDERSTAND ABOUT THE SCHOOL CABINETS TO RELATE THE TOPIC		THROUGH CROSS QUESTIONING ABOUT THE SCHOOL CABINET SYSTEM TO RELATE TOPIC	PICTURES, VIDEOS AND TEXTBOOK	CARE, RESPECT AND RESILIENCE	SCHOOL CABINET SYSTEM ,POLITICAL SCIENCE	VIDEOS, PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND THE NEED FOR A GOVERNMENT AND ITS FORMS .
PANCHAYAT RAJ	LEARNER WILL UNDERSTAND THE ELECTION PROCESS ,DECISION-MAKING AND ROLE OF GRAM PANCHAYAT	CITIZENSHIP AND GLOBAL AWARENESS	21st Aug to 26th Aug	5	WILL MAKE THEM UNDERSTAND ABOUT SCHOOL CABINET SYSTEM TO RELATE THE TOPIC		THROUGH CROSS QUESTIONING ABOUT THE SCHOOL CABINET SYSTEM TO RELATE TOPIC	PICTURES, VIDEOS AND TEXTBOOK	CARE, RESPECT AND RESILIENCE	SCHOOL CABINET SYSTEM ,POLITICAL SCIENCE	VIDEOS, PICTURES AND TEXTBOOK	LEARNER WILL UNDERSTAND THE ELECTION PROCESS ,DECISION-MAKING AND ROLE OF GRAM PANCHAYAT



INTERNATIONAL PUBLIC SCHOOL, PURNEA

SUBJECT COMPUTER

GRADE

7

UNIT AND THEME	OBJECTIVE TO BE ACHIEVED	COMPETENCIES	DATE OF START & END	NUMBER OF PERIODS	USE OF INNOVATIVE STRATEGY	CHECKING PREVIOUS KNOWLEDGE	RESOURCES USED	VALUE DERIVED	CROSS CURRICULAR APPROACH TO BE LINK WITH INNOVATION AND GLOBAL CULTURE	ELEMENT OF INNOVATION	LEARNING OUTCOME
UNIT 2 (MORE ON MS WINDOWS 7)	THEY WOULD BE ABLE TO UNDERSTAND ABOUT WINDOWS	CRITICAL THINKING	27/6/22 TO 8/7/22	4	GROUP DISCUSSION AND LAB PRACTICE	ASK THEM ABOUT SOME WINDOWS VERSIONS NAME.	BOOKS AND LAB	COMPUTATIONAL AND LOGICAL SKILLS.	HOW WILL YOU COMPARE WINDOWS LIBRARIES TO THE REAL LIFE LIBRARIES.	LAB: CREATE A NEW FOLDER IN LOCAL DISK (C:) DRIVE AND NAME IT 'MY FOLDER'.	STUDENTS WILL BE ABLE TO UNDERSTAND ABOUT THE TOPIC.
UNIT 3 (MORE ON MICROSOFT EXCEL 2010)	THEY WOULD BE ABLE TO UNDERSTAND ABOUT FORMULAE AND FUNCTIONS	DIGITAL COMPETENCE	11/7/22 TO 6/8/22	4	LAB PRACTICE	WHY WE ARE USING EXCEL?	LAB AND BOOK	COMPUTATIONAL AND LOGICAL SKILLS.	SUPPOSE DATA YOU ARE A MANAGER OF A COMPANY WANTS TO	WRITE THE DIFFERENT EXCEL FUNCTIONS NAME ON THE CHART PAPER AND WRITE THEIR USES ALSO.	STUDENTS WILL BE ABLE TO UNDERSTAND ABOUT THE TOPIC.
UNIT 4 (CHART IN MICROSOFT EXCEL 2010)	THEY WOULD BE ABLE TO UNDERSTAND ABOUT TOPIC.	DIGITAL COMPETENCE	9/8/22 TO 26/8/22	4	PICTURE QUIZ	TELL ME SOME FUNCTIONS NAME WHICH WE ARE USING IN EXCEL.	BOOKS AND LAB	COMPUTATIONAL AND LOGICAL SKILLS.	SUPPOSE DATA YOU ARE A MANAGER OF A COMPANY WANTS TO	make a chart about "types of computer" ,write about it's features and paste picture	STUDENTS WILL BE ABLE TO UNDERSTAND ABOUT THE TOPIC.
UNIT 5 (COMPUTER VIRUS)	THEY WOULD BE ABLE TO UNDERSTAND ABOUT TOPIC.	CRITICAL THINKING	29/8/22 TO 14/10/22	6	GROUP DISCUSSION	QUIZ	BOOKS AND PPT	COMPUTATIONAL AND LOGICAL SKILLS.	COMPARE COMPUTER VIRUS TO THE REAL LIFE VIRUS	COLLECT INFORMATION ABOUT DIFFERENT TYPES OF VIRUSES AND MAKE A CHART ON IT.	STUDENT WILL BE ABLE TO UNDERSTAND ABOUT THE TOPIC.
UNIT 6 (LEARN TO USE ADOBE FLASH PROFESSIONAL C56)	THEY WOULD BE ABLE TO UNDERSTAND ABOUT TOPIC.	CRITICAL THINKING DIGITAL COMPETENCE	(10/10/22 TO 21/10/22) (2/11/22 TO 11/11/22)	6	QUIZ	HAVE U EVER PLAYED GAME ON THE COMPUTER.	BOOKS AND PPT	COMPUTATIONAL AND LOGICAL SKILLS.	YOUR FRIEND WANTS TO BE AN ANIMATOR WHO CREATES ANIMATION. SUGGEST HIM THE SKILLS REQUIRED FOR THE SAME	DRAW AN IMAGE WHATEVER YOU WANT USING FLASH.	STUDENT WILL BE ABLE TO UNDERSTAND ABOUT THE TOPIC.
UNIT 7 (MORE ON INTERNET)	THEY WOULD BE ABLE TO UNDERSTAND ABOUT TOPIC.	CRITICAL THINKING	1/12/22 TO 22/12/22	6	SHORT QUIZ	SHORT QUESTION	BOOKS	COMPUTATIONAL AND LOGICAL SKILLS.	YOU HAVE BOUGHT A LAPTOP THAT DON'T HAVE A LICENSED SYSTEM SOFTWARE AND OTHER APPLICATION SOFTAWRE .HOW YOU CAN	PREPARE A LIST OF VARIOUS WEBSITES ACCORDING TO THEIR USEFULNESS. ALSO, CATEGORISE THE	STUDENT WILL BE ABLE TO UNDERSTAND ABOUT THE TOPIC.

