



TAGORE INTERNATIONAL SCHOOL
VASANT VIHAR, NEW DELHI
PARENTS SYLLABUS (2020-21)
CLASS XI C & D
OCTOBER- MARCH

Subject	Topics Covered / No. of Periods	Learning Outcomes	Activities	Assessments
OCTOBER				
Math	Linear Inequalities (5 classes)	Each child will be able to *recall the concept of linear equations. *define a linear inequality. *list the rules of solving a linear inequation in one variable. *recall the method of plotting lines on a graph sheet. *explain the method of graphical solution of linear inequalities in two variables. *define reference point, feasible solution and feasible region. *solve a system of linear inequalities using Graphical method	Explore about Real world Inequalities (EL) To verify that the graph of a given inequality , say $5x+4y-40<0$, of the form $ax+by+c<0$, $a,b>0$, $c<0$ represents only one of the two half planes. (ACTIVITY)	<ul style="list-style-type: none"> ● ·Classwork and Homework given from NCERT & Assignment (uploaded in Google Classroom) ● Oral Questions ● Google Form ● Short Test
	Straight Lines (3 classes)	Each child will be able to *define inclination of a line. *define the slope of a line. *find the slope of a line using various formulas.	(AIL) Draw a Rangoli pattern using the Kolam art form of South.	

Physics	<u>Gravitation (5)</u> Universal law of gravitation. Acceleration due to gravity (recapitulation only) and its variation with altitude and depth. Gravitational potential energy and gravitational potential, escape velocity, orbital velocity of a satellite,	<ol style="list-style-type: none"> 1. State Universal law of gravitation. 2. Discuss variation of acceleration with altitude and depth. 3. Define Gravitational potential energy 4. Define Gravitational potential 5. Obtain expression for escape velocity 6. Obtain expression for orbital velocity of a satellite 7. Explain Geo-stationary satellites. 	<p>Explore about largest swing in the world. Find the ratio of its height and speed.</p> <p>Explore about Geographical locations of satellite launch stations.</p>	Worksheet Assignment Sheet(A) Reasoning Questions Class Test using Google Forms
	<u>Mechanical Properties of Solids (3)</u> Stress-strain relationship, Hooke's law, Young's modulus, bulk modulus	<ol style="list-style-type: none"> 1. Define Stress 1. Define strain 2. State Hooke's law 3. Explain Young's modulus, 4. Explain bulk modulus, 5. Numericals on Young's modulus 	<p>Which one is the oldest road bridge of india. Find about the material used in this.</p>	Worksheet Assignment Sheet(A) Reasoning Questions Class Test using Google Forms

Economics	Theory of Equilibrium Markets Characterizing the different kinds of market	Define a market identify the different types of market on the basis of the equilibrium and the quantity exchanged in the market discuss the derivation of the changes in the equilibrium price	Determine the market demand for kantha	Worksheet Assignment Sheet(A) Reasoning Questions Class Test using Google Forms
Chemistry	<u>Chemical Bonding and Molecular structure (8)</u> Octet rule and its limitations. Lewis-Dot structures formation of ionic compounds by electron transfer Conditions for ionic bond formation. Formal Charge Polarity and dipole moment VSEPR theory Hybridisation and Molecular orbital theory	<ul style="list-style-type: none"> •Explain the octet rule and list its limitations with examples. •Apply Kossel-Lewis approach to chemical bonding •draw Lewis structures of simple molecules •Represent bonding diagrammatically. •Explain the conditions for ionic bond formation. •Calculate formal Charge on a molecule and ion •Define polarity and predict dipole moment of a molecule. •describe the VSEPR theory and predict the geometry of simple molecules •predict the directional properties of covalent bonds; •explain the different types of hybridisation involving <i>s</i>, <i>p</i> and <i>d</i> orbitals •describe the molecular orbital theory 	Graphic organiser Molecular model -3 D model Practical: Analyse the given salt and identify anions present. (nitrate, chloride, bromide, iodide and sulphate)	Class Test (Google Forms) Worksheet Assignment Reasoning Questions

Computer Science	<p>Ch 13 Dictionary</p> <p>Introduction Key Value Pair Dictionary Functions and Methods</p>	<p>The students will be able to :</p> <ul style="list-style-type: none"> • Understand the concept of key value pair in dictionary • Differentiate between lists, tuples and dictionary • Work with different methods and functions of dictionary 	<p>Students will:</p> <ul style="list-style-type: none"> • Code different programs based on dictionaries. • Solve the sample papers given on http://python.mykvs.in/presentation/class%20xi/computer%20science/Dictionaryes.pd • Solve CBSE sample questions based on Dictionary 	<ul style="list-style-type: none"> • Google Forms • Worksheets uploaded on Google classroom • Practicals done in the class
Psychology	<p>Chapter 6 - Learning</p>	<p>Explain in brief diff. types of learning; Explain the determinants of learning</p> <p>Cognitive learning; Verbal Learning; Learning Disabilities</p>	<p>Class Discussions Topics based activities Topic based videos</p>	<p>Class Tests Google form based assignments Worksheets for homework</p>
English	<p>1.Chapter Landscape of the Soul</p> <p>2. Childhood</p>	<p>The students will be able to: Read the lesson Identify the theme of the lesson Explain the necessity of the Art form</p> <p>Students will be able to identify the theme of the poem</p>	<p>Students will watch videos on the different Art forms</p> <p>Chinese Art and Indian Art form Differentiate Oriental Art form and European Art Form Discuss Cubism and its relevance</p> <p>Students will be writing the difference in their outlook when</p>	<p>Assessment Google form Worksheet Oral Quiz</p>

		Critically analyse the poem	they were in class VII and how their perspective changed when they reached their teens.	
Biology	<p>1.Body fluid circulation-4</p> <p>2.Excretory products & their elimination-5</p>	<p>Each child will be able to-</p> <ul style="list-style-type: none"> ● Differentiate Open and Closed Systems, ● Explain the reasons for the variation of Blood groups in humans. ● Discuss the process of mechanism of blood clotting in brief. ● Explain Circulatory System of Humans, ● Specify the location, structure & the role of conducting system in working of humans ● Draw the internal structure of the heart showing the conducting system in it. ● Discuss the Lymphatic Systems, ● Explain ECG, Pacemaker, ● Specify the symptoms of common Disorders <ul style="list-style-type: none"> ● Compare the terms Osmoconformers and Osmoregulators, ● Explain the modes of elimination of Nitrogenous Wastes, ● Explain simple and Complex Tubular 	<p>Students will watch the videos as specified below and a PPT on the system</p> <p>https://www.youtube.com/watch?v=_CfTAmgRRO4</p> <p>General structure of human structure</p> <p>https://www.youtube.com/watch?v=L3jExCSdaYo</p> <p>Structure & function of human heart</p> <p>Based on the it the students will answer the Questions will be based on blood groups, blood clotting, rhythmicity of heart Lymphatic Systems, ECG, Pacemaker & Disorders</p> <p>AIL activity- Make a cartoon strip on the flow of blood cells , during the circulation of body fluids.</p> <p>https://www.youtube.com/watch?v=j9qZwRooBXc Glomerular filtration</p> <p>https://www.youtube.com/watch?v=Xbl8eY-BeXY Countercurrent</p>	<p>Assessment- Google forms Google docs Worksheet Quizzes</p>

		<p>Systems,</p> <ul style="list-style-type: none"> ● Diagrammatically describe the mechanism of Urine Formation, ● Discuss the regulation of urine formation ● Define the term, Micturition and Constituents of Urine, ● Discuss Hemodialysis & common disorders and kidney Transplantation, ● Discuss the role of Lungs, Skink, Liver in Excretion of waste products. 	<p>multiplier and an</p> <p>Interactive PPT on the topic-</p> <p>Reflective activities:</p> <p>Making flow charts based on modes of excretion of nitrogenous waste, Mechanism of Urine Formation, Regulation of Kidney function,</p> <p>Question answers (intext & general)</p> <p>Brainstorming on</p> <p>Micturition and Constituents of Urine, Hemodialysis and Kidney Transplantation, Role of Lungs, Skink, Liver in Excretion.</p> <p>Practical activity- Detection of sugar & albumin in the urine</p>	
NOVEMBER				
Math	<p>Straight Lines (contd) (9 classes)</p>	<p>Each child will be able to</p> <ul style="list-style-type: none"> *calculate the distance of a point from a line. *define concurrency of lines. *interpret the given data to form the equation of line. *perceive the concept of shifting of origin. *perceive the concept of family of lines 		<ul style="list-style-type: none"> ● ·Classwork and Homework given from NCERT & Assignment (uploaded in Google Classroom) ● Oral Questions ● Google Form

	Conic Section (6 classes)	<p>Each child will be able to</p> <ul style="list-style-type: none"> *analyze a conic section as a section of double-napped cone. *define a conic section. *list the various types of conic sections. *recognize the standard equation of various conic sections. *define centre, vertex, latus rectum, vertex, focus for a parabola *define major and minor axis, transverse and conjugate axis *apply the knowledge gained in finding the vertex, foci, centre length of latus rectum, length of axis of ellipse and hyperbola 	<p>Students will identify the various conic sections around them .(EL)</p> <p>ACTIVITY An alternative method of constructing a parabola</p>	<ul style="list-style-type: none"> ● Short Test ● ·Classwork and Homework given from NCERT (uploaded in Google Classroom) ● Oral Questions ● Google Form ● Short Test
Physics	<p><u>Mechanical Properties of Fluids (12)</u> Pressure due to a fluid column; Pascal's law Applications of Pascal's law Hydraulic lift and hydraulic brakes, Effect of gravity on fluid pressure.</p>	<ol style="list-style-type: none"> 1. Define pressure 2. Find expression for fluid pressure 3. State Pascal's law 4. State two applications of Pascal's law 5. How fluid pressure will change with gravity 6. What is viscosity 7. State Stokes' law, 8. Obtain an expression for terminal velocity 9. Explain streamline and turbulent flow, 10. Explain critical velocity, 11. State and prove Bernoulli's theorem 12. Give two applications of Bernoulli's theorem 	<p>Which one is the deepest point on earth, where it is located, why is it important?</p> <p>Why honey doesn't stick with water or dust?</p> <p>Why are Mogul structures having a long life? Discusses their structures</p>	<p>Worksheet Assignment Sheet(A) Reasoning Questions Class Test using Google Forms</p>

	<p>Viscosity, Stokes' law, terminal velocity, streamline and turbulent flow, critical velocity, Bernoulli's theorem and its applications.</p> <p>Surface energy and surface tension, Angle of contact, excess of pressure across a curved Surface, Application of surface tension ideas to drops, bubbles and capillary rise.</p>	<p>13. Explain Surface energy</p> <p>14. Explain surface tension</p> <p>15. Define Angle of contact,</p> <p>16. Find expression for excess of pressure across a curved surface</p> <p>17. Discuss two applications of surface tension.</p> <p>18. Find expression for rise / fall of liquid in a capillary tube.</p>		
Economics	<p><u>Measures Of Correlation</u></p> <p><u>Karl Pearson's Method</u></p>	<p>Calculate correlation by karl pearson's method using different techniques</p>	<p>Graphical presentation</p>	<p>Worksheet</p> <p>Assignment Sheet(A)</p> <p>Reasoning Questions</p> <p>Class Test using Google Forms</p>
Chemistry	<p>Unit 12 – Organic chemistry- Some basic principles and techniques(10)</p> <p>Nomenclature of hydrocarbons and</p>	<ul style="list-style-type: none"> ▪Explain unique character of carbon and formation of organic compounds ▪Name organic compounds on IUPAC system and also formulate names from structure. ▪Classify the organic compounds ▪Write structures of organic molecules. ▪Explain the influence of electronic displacements on structure and ▪Reactivity of 	<p>Flow chart Drawing</p> <p>Practical:</p> <p>1.Analyse the given salt and identify cations present.</p> <p>2.Volumetric analysis</p>	<p>Class Test (Google Forms)</p> <p>Worksheet</p> <p>Assignment</p> <p>Reasoning Questions</p>

	<p>aromatic compounds</p> <p>Principles: inductive effect, hyper conjugation, +- R effect, electromeric Effect.</p> <p>Hydrocarbons Classification Nomenclature Isomers ALKANES, ALKENES, ALKYNES Preparation Physical and chemical properties</p>	<p>organic compounds</p> <ul style="list-style-type: none"> ▪ Explain organic reactions and their common types. ▪ Classify hydrocarbons on the basis of general formula ▪ Name hydrocarbons according to IUPAC system of nomenclature ▪ Recognize and write structures of isomers of alkanes, alkenes and alkynes and aromatic hydrocarbons ▪ Describe methods of preparation of hydrocarbons ▪ Explain properties of hydrocarbons and compare their reactivity ▪ Draw and differentiate between different structures of ethane ▪ Predict the formation of the addition products of unsymmetrical alkene and alkyne on the basis of electronic mechanism 		
Computer Science	<p>Cyber safety</p> <p>Introduction Identity Protection Confidentiality of Information Cyber crimes Cyber Laws and IT Acts</p>	<p>The students will be able to:</p> <ul style="list-style-type: none"> ● Understand in details the importance of Cyber safety ● Identify various cyber crimes ● Learn appropriate usage of social networks ● Know more about cyber laws and IT Acts 	<p>The students will:</p> <ul style="list-style-type: none"> ● Have a debate on Cyber Safety ● Create comic strips on different cyber crimes and how to prevent them ● Discuss about Practices to ensure Confidentiality of Information 	<ul style="list-style-type: none"> ● Google Forms ● Worksheets ● Class Test on Google classroom
Psychology	<p>Chapter 7 - Memory</p>	<p>Distinguish between different types of memory; Explain the constructive and reconstructive processes in memory; State the causes of forgetting;</p>	<p>Class Discussions Topics based activities Topic based Videos</p>	<p>Class Tests Google forms based</p>

		Suggest the strategies for improving memory		assignments Worksheets for homework
English	.Chapter : 1.The Browning Version 2.Silk Route	The students will be able to:Identify the theme of the lesson Students will be able to talk about the silk route.	Students will: Explain the relationship between teacher and student Identify and explain the theme of he lesson through role play Students will watch videos to find out details about the silk route and kora.	Assessment Google form Worksheet Oral Quiz
Biology	1.Locomotion & Movement /4	Each child will be able to: <ul style="list-style-type: none"> ● Explain basic types of movements in various animals. ● Describe the process of locomotion in human beings. ● Explain and draw the structure of myofibrils of muscle fiber. ● Differentiate between red and white muscles. 	Students will watch the video links given below- https://www.youtube.com/watch?v=qccUQGZbyi8 =Muscle contraction -part 1 https://www.youtube.com/watch?v=zUUB3nqh79c - Part -2 excitation of muscle (to be observed for first two mins only) https://www.youtube.com/watch?v=HTVcOnhuckl -Muscle contraction part-3 & a PPT on the topic.	Assessment- Google forms Google docs Worksheet

	<p>2. Neural Control & coordination/5</p>	<p>Explain Nervous System in humans.</p> <ul style="list-style-type: none"> ● Explain the structure of neuron ● Describe the process of nerve impulse transmission along the axon membrane of neuron. ● Enumerate the ways of transferring information from nerve to target cell. ● Differentiate between CNS, PNS and autonomic nervous system. ● Specify the parts of the human brain & function of each part. ● Enlist the functions of reflex action. ● Draw the labelled cross sectional view of 	<p>Students interactions-</p> <p>Answer the questions based on the types of movements, types of muscles structural differences,</p> <p>Graphic organizer for structure & mechanism of striated muscle contraction in humans, Disorder of Bones.</p> <p>AIL- Making a blog on organ donation to bring awareness on the problems of organ donation.</p> <p>Practical activity- Study of stages of mitosis.</p> <p>Students will watch the video link specified below-</p> <p>https://www.youtube.com/watch?v=WhowH0kb7n0</p> <p>Nerve impulse transmission along axon</p> <p>https://www.youtube.com/watch?v=b2ctEsGEpe0 Nerve impulse transmission across</p> <p>https://www.youtube.com/watch?v=0yXMGQaVVXg</p> <p>Central nervous system</p>	
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		human brain & spinal cord..	<p>Reflection-</p> <p>Label the diagram using the live worksheet. &</p> <p>Specify the parts of the brain on the basis of the function.</p> <p>Explain transmission of nerve impulse along the axon.</p> <p>Make a flowchart chart on Chemical transmission of nerve signal across synapse</p> <p>Practical activity- Study of parts of a flower.</p> <p>Student activity- It is important to shift our focus to mental health-a poster highlighting it.</p>	
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DECEMBER

Math	Sequences & Series (12 classes)	<p>Each child will be able to</p> <p>*recall the definition of sequence & series.</p> <p>*recall the definition of an A.P and the formula for its nth term.</p> <p>*state the formula for sum of n terms of A.P</p> <p>*define A.M between two numbers a & b</p> <p>*define a G.P</p> <p>*find the nth term of a G.P</p> <p>*state the formula for sum of n terms of G.P</p> <p>*find the sum to infinity of a G.P</p> <p>*define G.M between two</p>	<p style="text-align: center;">ACTIVITY</p> <p>To demonstrate that the Arithmetic mean of two different positive numbers is always greater than the Geometric mean.</p> <p style="text-align: center;">Newspaper</p> <p>Data in form of numbers can be categorized as A.P or G.P</p>	<ul style="list-style-type: none"> ● ·Classwork and Homework given from NCERT & Assignment (uploaded in Google Classroom) ● Oral Questions ● Google Form
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	Permutation and Combination (5 classes)	<p>numbers a & b</p> <p>*recognize the relationship between A.M and G.M</p> <p>* list the formulas for the sum of squares, sum of cubes of first n natural numbers.</p> <p>Each child will be able to</p> <p>*state the fundamental principle of Addition / Multiplication</p> <p>*define permutation.</p> <p>*find the number of permutations of n different objects with or without repetition.</p> <p>*find the number of permutations when all the objects are not distinct objects.</p> <p>*define combination.</p> <p>*differentiate btw Permutation and Combination</p>		<ul style="list-style-type: none"> ● Short Test ● ·Classwork and Homework given from NCERT (uploaded in Google Classroom) ● Oral Questions ● Google Form ● Short Test
Physics	<p><u>Oscillations (8)</u></p> <p>Periodic motion - time period, frequency, displacement as a function of time, periodic functions.</p> <p>Simple harmonic motion (S.H.M) and its equation; phase;</p> <p>Oscillations of a loaded spring.</p> <p>Restoring force and</p>	<ol style="list-style-type: none"> 1. Define Periodic motion and its characteristics. 2. Find expression displacement as a function of time. 3. Explain Simple harmonic motion (S.H.M) and its equation; phase 4. Explain oscillations of a loaded spring and find expression for its time period. 5. Obtain expression for energy in S.H.M. Kinetic and potential energies 6. Find expression for the time period of simple pendulum 7. Explain Free, forced and damped oscillations resonance, 	<p>Name the plane where stone pillars produce music. Find another place where a similar structure is fabricated.</p> <p>What is the similarity between indian music and boolean algebra? Prepare a comparative study.</p>	<p>Worksheet</p> <p>Assignment Sheet(A)</p> <p>Reasoning Questions</p> <p>Class Test using Google Forms</p>

	<p>force constant; Energy in S.H.M. Kinetic and potential energies; simple pendulum derivation of expression for its time period. Free, forced and damped oscillations (qualitative ideas only), resonance.</p> <p><u>Waves (8)</u> Wave motion: Transverse and longitudinal waves, speed of travelling wave, Displacement relation for a progressive wave, principle of superposition of waves, reflection of waves, standing waves in strings and organ pipes, Beats</p>	<ol style="list-style-type: none"> 1. Explain Wave motion 2. Differentiate between Transverse and longitudinal waves 3. Find expression for speed of travelling wave, displacement 4. Write displacement relation for a progressive wave, 5. How standing waves are formed. 6. Give four characteristics of standing waves. 7. Explain how standing waves are formed in strings and organ pipes. 		<p>Worksheet Assignment Sheet(A) Reasoning Questions Class Test using Google Forms</p>
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Economics	<ul style="list-style-type: none"> • Index Numbers • Meaning • Types 	Identify 3 reasons for the need to find indices for economic growth and compare	Newspaper articles. What are index numbers?	Worksheet Assignment Sheet(A) Reasoning Questions Class Test using Google Forms
Chemistry	<p>Aromatic hydrocarbon</p> <p>Nomenclature</p> <p>Resonance</p> <p>Preparation and properties.(4)</p> <p>Unit 5 – states of matter (4)</p> <p>Intermolecular forces</p> <p>Boyles law</p> <p>Charles law</p> <p>Gay lussacs law</p> <p>Ideal gas equation</p>	<ul style="list-style-type: none"> ▪Classify benzene and list its resonating structures. ▪Explain aromaticity and understand mechanism of electrophilic substitution reactions of benzene ▪Predict the directive influence of substituents in mono substituted benzene ring. ▪Learn about carcinogenicity and toxicity ▪Explain existence of different states of matter in terms of intermolecular forces and thermal energy. ▪Explain the laws governing behaviour of ideal gases ▪Carry out calculations based on gas laws ▪apply gas laws in various real life situations ▪Explain the behaviour of real gases 	<p>Ball and stick model.</p> <p>PRACTICAL</p> <p>Analyse the salt and detect the cation and anion present.</p> <p>AIL/ EXPERIENTIAL LEARNING.</p> <p>USE OF SYRINGE/ BALLOONS FOR DEMONSTRATING THE LAWS.</p> <p>Experiment on surface tension.</p>	<p>Class Test (Google Forms)</p> <p>Worksheet Assignment Reasoning Questions</p> <p>Numericals</p> <p>Use Of Jam Board.</p>
Computer Science	Online Access and Computer Security	<p>The students will be able to:</p> <ul style="list-style-type: none"> • Define various malware and their terms 	<ul style="list-style-type: none"> • Case Study on different types of malware attacks • Whole Group Interaction 	<ul style="list-style-type: none"> • Google Forms • Assignments,

	Threats to Computer Security Different malware Solution to Computer Security Firewall	<ul style="list-style-type: none"> • Differentiate between virus,worms,Trojan horses • Understand two point authentication systems. • Implement secure connections • Define eavesdropping ,phishing ,Identity verification. 	<p>and discussion on different malware and preventive measures</p> <ul style="list-style-type: none"> • Flipped classroom 	worksheets and class tests on Google classroom
Psychology	Chapter 5 - Sensory, Attentional & Perceptual Processes	Name diff. types of attention; Analyse the problems of form and space perception; Role of socio-cultural factors in perception; Principles of Perceptual Organisation; Diff. btw Monocular Cues and Binocular Cues; Define Illusion	Class Discussions Topics based activities Topics based videos	Class Tests Google forms based assignments Worksheets for homework
English	Chapter : 1. Birth 2.Revision	Students will be able to locate the theme of the chapter. Sample papers	Students will discuss the true calling of a doctor and what the profession entails. Students will analyse the dialogues of the doctor to map the way his profession glorified his existence,and how he disassociated himself from the world while serving his patient.	Assessment Oral Quiz
Biology	1.Chemical control & coordination/4	Each child will be able to : <ul style="list-style-type: none"> • Enlist the various endocrine glands. 	Students will concepts from the text -NCERT & Ref.book-Truman's Biology	Assessment- Google forms Google docs Worksheet

	<p>2.Biological Classification/4</p>	<ul style="list-style-type: none"> ● Describe endocrine glands, their structure function and disorders. ● Explain molecular mechanism of hormone action extracellular receptors and intracellular receptors. <p>Each child will be able to :</p> <ul style="list-style-type: none"> ● Classify the types of bacteria. ● Explain types and classification of Protista. ● Describe types and classification of plants, animals and fungi. ● Write about types of Viruses, Viroids and Lichens. ● Differentiate between Virus & Viroids 	<p>PPT on the HUMAN Endocrine system</p> <p>https://www.youtube.com/watch?v=AXv8Kxt4QU,</p> <p>General introduction on endocrine system</p> <p>Video & PPT on Mechanism of hormonal action</p> <p>Questions will be based on functions of hormones & disorders, Molecular Mechanism of Hormone Action.</p> <p>Student activity- Construct your diet to enhance the happiness hormones in you.</p> <p>https://www.youtube.com/watch?v=3Jrz-eDL4nw</p> <p>Biological classification</p> <p>Questions will be based on the different subkingdoms, plant life cycles and alternation of generation</p> <p>Practical activity- Study of Plant specimens.</p>	<p>Quizzes</p>
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Study of animal specimens

JANUARY-FEBRUARY

Math

Permutation and
Combination (4
classes)

Each child will be able to
*apply the various formulas of
P and C in solving
statement questions.

Students will research about who
was the first Indian Mathematician
to deal with the concept of P&C

Probability
(9 classes)

Each child will be able to
*recall the concept of probability
*recall the definition of random
experiment, sample space
*write the sample space of a
Random experiment
*list the various kinds events
:mutually exclusive, exhaustive
events.
*prove events to be mutually
Exclusive Or exhaustive.
*express the formulae for
Probability of an event.
*state the Addition formulae of
Probability
*apply the concepts learnt in
solving problems.

To write the sample space, when a
coin is tossed once, two times,
three times and four times.
(ACTIVITY)

Students will investigate about how
probability plays a major role in
Gambling

- Classwork and Homework given from NCERT (uploaded in Google Classroom)
- Oral Questions
- Google Form
- Short Test

Revision Work
(Feb)

Physics

Revision

Doubt clearing and Test unit wise

Revision assignment

Ncert Problems

Economics	Revision Class XII syllabus	Doubt clearing and Test unit wise	Revision assignment	Worksheet Assignment Sheet(A) Reasoning Questions Class Test using Google Forms
Chemistry	<p>Unit 11 –p-block elements P-block elements(4) General trends Physical and chemical properties Anomalous behaviour of carbon Allotropes of carbon Properties of compounds of group 13 and 14</p> <p>Unit 7 – equilibrium Physical equilibrium Dynamic equilibrium Law of chemical equilibrium Homogeneous equilibria Extent of a reaction Ionic equilibrium</p>	<ul style="list-style-type: none"> ▪Appreciate the general trends in the chemistry of p-block elements ▪Describe the trends in the physical and chemical properties of group 13 and 14 elements ▪Explain anomalous behaviour of carbon and boron ▪Describe allotropic forms of carbon ▪List their uses <p>Know the chemistry of some important compounds of carbon, boron and silicon</p> <ul style="list-style-type: none"> ▪List the important uses of group 13 and 14 elements and their compounds <ul style="list-style-type: none"> ▪Derive the expression for dissociation constant ▪Describe pH scale and classify compounds into acids, bases and neutral ▪explain the dynamic nature of equilibrium in physical and chemical processes ▪State and explain the law of chemical equilibrium ▪Predict the extent of chemical change ▪State and apply Le chatelier's principle ▪Establish relationship between K_p and K_c ▪Define acids and bases according to the 	<p>Study about the different allotropes of carbon ,their stability and properties FLIPPED CLASS.</p>	<p>Class Test (Google Forms)</p> <p>Worksheet Assignment Reasoning Questions</p>

	Revision	theories given		
Computer Science	<p>Boolean Algebra Truth Tables Logic Gates Circuits Postulates and theorems of Boolean Algebra</p> <p>Revision for Final Term Examinations</p>	<p>The students will be able to:</p> <p>Create truth tables for logic gates</p> <ul style="list-style-type: none"> • Create advanced Boolean expression • Solve different expressions in Boolean Algebra • Use the identities of Boolean to minimize the expressions. 	<p>The students will:</p> <p>Create a Truth table for half adder and find what type of gate will be used for the same.</p> <ul style="list-style-type: none"> • Draw the logical circuits using the logic gates 	<ul style="list-style-type: none"> • Google forms • Test sheets • Assignments • Circuits and truth tables designed
Psychology	Revision of the complete class 11 syllabus	Topic wise doubt clearing sessions	<p>Revision of key words</p> <p>Topic doubt clearing</p>	<p>Worksheets for practice</p> <p>Full syllabus tests</p>
English	Revision	Students will be able to attempt Writing Skills and Grammar topics along with Literature and Reading Skills practice questions.	Students will be able to solve sample papers.	<p>Assessment</p> <p>Google Doc</p> <p>Quiz</p> <p>Worksheet</p>
Biology	<p><u>1.Animal Classification/5</u></p> <p><u>2.Lab work</u></p>	<p>Each child will be able to-</p> <ul style="list-style-type: none"> • Explain the different features used as the basis of animal classification. • State the characteristics of different phyla 	<p>https://www.youtube.com/watch?v=C-juzOtFHYY</p> <p>Animal classification.</p> <p>Questions will be based on the</p>	<p>Assessment-</p> <p>Google forms</p> <p>Google docs</p> <p>Worksheet</p>

	<u>submissions</u> 3.Revision	and their examples. <ul style="list-style-type: none">• Give at least three to four examples from each phylum.	characteristics of all the phyla. Practical activity- Study of animal specimens	Short test topic wise
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