



SPLIT UP SYLLABUS FOR CLASS 9 SUBJECT -SCIENCE

Month	Lesson	Activity/demonstration	Learning outcomes
April	L-1 Matter in our surrounding(Chemistry) L-5 The fundamental Unit of Life(Biology) L-8 Motion(Physics)	To find the melting and boiling point of water.	Learner will be able to compare the properties of three states of three states of matter and the effect of temperature and pressure on them. Learner will become aware of the organization of the cell and structure and function of various cell organelles. Learner will be to interpret the graphical representation of motion. Learner will be able to solve numerical based on equation of motion.
May	L-1 continued L-6Tissue(plant)(Bio) L-9 Force and laws of motion(phy)	To separate ammonium chloride from common salt with the help of sublimation. To prepare stained temporary mount of onion peel. To study different types of plant tissue: Parenchyma and Sclerenchyma Verification of law of conservation of momentum.	Learner will get to know about the cellular organization in multicellular organisms and the structure and function of the various types plant and animal tissue Learner will be able to define Newton's laws of motion. Learners will be able to apply the laws of motion in day to day life. Learners will be able to solve the numerical based on mathematical form of laws of motion and conservation of momentum.
July	L-2 Is matter around us pure(chem.) L-6 continued Tissue(animals) (bio) L-9 continued(phy)	To prepare a (a) True solution of sugar and salt. (b) Suspension of chalk. (c) Colloidal solution with egg albumen. To study different types of animal tissue: Striped muscles and nerve fibre.	Learners will be able to distinguish between pure substances, compound and mixtures.
PT 1 lesson 1,5,6,8,9.			
August	L-2 continued(chem.) L-13 Why do we fall ill(bio) L-10 Gravitation (phy)	To test the presence of adulterant mentanil yellow in dal. To study the properties of compound and mixture. To determine the density of a solid. Verification of Archimedes principle.	Learner will get to know about causes, modes of transmission and prevention and control of various types of communicable and non communicable diseases. Learner will be able to distinguish between gravitational force and acc. Due to gravity. They will get to know about density, relative density, floatation and sinking of objects.

September	L-3 Atoms and molecules.(chem) L-13 continued (bio) L-10 continued (phy)	Verification of Law of conservation of mass.	Learners will be able to distinguish between atom,molecules and compounds.
MID TERM-Lesson 1,2,5,6,8,9,10.			
October	L-3 continued (chem.) L-15 Improvement in food resources(bio) L-11 Work and Energy(phy)		Learner will get to know about various agricultural and animal husbandry management practices for improving food production. Learners will be aware of the concept of work,power and energy and would be able to calculate them using formulae.
November	L-4 Structure of atom(chem) L-14 Natural resources(bio) L-11 continued(phy)		Learner will be aware of how to use natural resources in a sustainable manner. Learner will appreciate classification for simplifying study of elements. Learner will be able to explain structure of human eye and its working. They will be aware of various defects of vision and their correction.
December	L-7Diversity(bio) L-12 Sound(phy)	To study the characteristic of Spirogyra/Agaricus,Moss/ferns, pinus and angiospermic plants. To observe specimen of earthworm,cockroach,fish and bird and record (i) one specific feature of its phylum. (ii) one adaptive feature with reference to its habitat. To draw the picture of earthworm,cockroach,bonyfishand bird. For each record: (a) One specific feature of the phylum (b) One adaptive feature.	Learners will get to know about the biodiversity of our planet and taxonomical classification of these organisms. Learners will be able to define sound as a wave and its various characteristics,concept of echoes and be able to explain the various parts of human ear and it's working.
PT 3 in December ANNUAL EXAM in March			

Month & Assessment	Chapter Name/No	Subject Enrichment Activities (Lab Activity/Map Activity/Workbook)	Learning Outcome	Month end test
April	<u>History</u> 1.French Revolution <u>Geography</u> 1.Indian size and location 2 Physical features of India <u>Economics</u> 1.The story of village Palampur	Personalities ,map& Flowchart Activity(pg12 &13) Map-Physical , Activity (pg4) Map –physical and Quiz Project on physical features of India Quiz and Flowchart Activity(pg7)	The importance of Democracy and individual right. Recognition and implication of having vast latitudinal and longitude. Understanding of physiographic divisions and their characteristics The disparity in the distribution of agricultural land.	<u>History</u> 1.French Revolution <u>Economics</u> 1.The story of village Palampur
May	<u>Political-science</u> 1.Democracy in contemporary world 2. What Democracy? Why Democracy <u>Geography</u> 3. Drainage	Flowchart Activity(pg8&9) Group Discussion Quiz Activity (pg13,36) Map-Physical and Quiz Project on Disaster Management Activity(pg23)	Conceptual skills of defining democracy. Compare democratic and non-democratic government . The course of tributaries and distributaries.	<u>Geography</u> 3. Drainage <u>Political-science</u> 1.Democracy in contemporary world
July	<u>History</u> 2.The Russian revolution <u>Economics</u> 2.People as resource	Flowchart and Quiz Activity(pg33) Role play on how people can be a resource. Activity (pg20)	The importance of unity and strength. Importance of people as resource	<u>History</u> 2.The Russian revolution
PA-I(IX) (July) Political Science: Ch 1 ,History : Ch1 ,Geography: Ch 1 & 2 and Economics: Ch 1				
August	<u>Geography</u> 4.Climate <u>Political Science:</u> 3.Constitutional Design 4.Electoral Politics	Quiz, Map & Flowchart Activity (pg40) Reading and explanation of Preamble Activity(pg46) Quiz & Flowchart	Influence of climate on human activities. The process of making a constitution. Understanding of Electoral system.	<u>Political Science:</u> 3.Constitutional Design 4.Election

		Activity(pg63&71)		
September	<u>History</u> 3.Nazism and rise of Hitler	Flow chart and quiz Activity(pg66)	The impact of Nazi ideas in shaping the world.	Revision test
HY (IX)(September) Political Science: Ch 1,2,3 & 4, Geography: Ch1,2& 3,History: Ch 1 & 2and Economics: Ch1				
October	<u>Political Science</u> 5.Working of Institutions <u>Economics</u> 3.Poverty as Challenges	Model and Quiz Activity(pg91) Flowchart and Quiz Activity (pg33)	. Overview of government structure. Problems of Poverty	<u>Economics</u> 3.Poverty as Challenges <u>Political Science</u> 5.Working of Institutions
November	<u>Geography</u> 5.Natural vegetation and wildlife <u>Economic</u> 4.Food Security <u>Political Science</u> 6. Democratic rights	Map and Quiz Activity(pg52) Quiz and Flowchart Activity (pg48) Quiz and Flowchart Activity(pg109)	Recognition of natural vegetation and wildlife. Understanding of Food insecure and need of food security Recognition of democratic rights	<u>Geography</u> 5.Natural vegetation and wildlife <u>Economic</u> 4.Food Security
December	<u>History</u> 4.Forest and Society <u>Geography</u> 6.Population	Map, Quiz & Flowchart Activity(Tour to FRI and report writing) Flow chart, Map Activity (pg56&63)	Change in forest societies under colonial rule. Analyze the population growth.	<u>Political Science</u> 6. Democratic rights <u>Geography</u> 6.Population
PA-2 (IX) (December) Political Science: Ch 5&6 ,Geography: Ch 4 & 5,History: Ch 4and Economics: Ch 3				
January			.	<u>Revision</u>
(March) AE-(IX) Complete Syllabus Will be taken in final exams				

Syllabus 2018-19

Class: 9th Subject: Maths

Month & Assessment	Chapter Name/No	Subject Enrichment Activities (Lab Activity/Map Activity/Workbook)	Learning Out come
April	1. NUMBER SYSTEM	1. LAB ACTIVITY	1. Represent Irrational No. on No. line. 2. Insert Rational & Irrational No. between 2 given Rational No. 3. Decimal Expansion & visualize decimal No. 4. State Properties of Real No. 5. Perform operations on Real No.
	2. POLYNOMIALS	2. LAB ACTIVITY	1. Find Zeros of Polynomial 2. Apply Remainder Theorem & Factor theorem 3. Factorize using Algebraic Identities & Factor theorem
May	5. EUCLID GEOMETRY. 3. COORDINATE GEOM. 12. HERONS FORMULA.		1. State Euclids Axiom & Postulate 2. Verification using Euclids Axiom & Postulate 1. understand Cartesian Plane. 2. Read Point, Locate Point on Graph 1. Find area of Triangle using Herons Formula 2. Find area of Quad. Using Herons Formula
July	6. LINES AND ANGLES Revision for PA1	3. MATHS WALK	1. Pair of Angles 2. Learn Parallel lines and Transversal properties 3. Learn Angle sum Property of Triangle
PT-1	Syllabus covered in April, May and July		
August	4. LINEAR EQUA IN 2 VAR.	LAB ACTIVITY	Find solution of equation in 2 variable

	<p>7. TRIANGLES</p> <p>15. PROBABILITY</p>	<p>Learn Graphical Representation Write Equation of axis and line Parallel to axis</p> <p>Learn congruency in Triangle SAS, ASA, AAS, SSS, RHS Learn Isosceles Property & Apply to solve Problems Learn Triangle Inequality Property</p> <p>Find Probability</p>
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September	Revision for half yearly commences from 11 sep	
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HALF YEARLY

Syllabus covered from April to September

October	<p>8. QUADRILATERAL</p> <p>9. AREA OF II & TRIANGLES</p>	<p>INTERDISCIPLINARY PROJECT</p>	<p>1 Learn about Quad. & its Properties 2 Learn different Kinds of Parallelograms & their Properties 3 Square - Rect - Rhombus (Simmilarity & Dissimilarity)</p> <p>1 Identify Fig on same base & same Parallel 2 Solve Problem based on Theorems below Theorems1 : Ilgm on same base & bt/w same Parallel Theorem2: Triangle on same base & bt/w same Paral Theorem3: Ilgm & Triangle on same base & same Par Theorem5: Median divides Triangle in 2 Triangle of ec area</p>
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February	Revision		
March FINAL EXAM- COMPLETE SYLLABUS			

ENGLISH

Names of the prescribed books - Beehive (Text book)

Moments – (Supplementary Reader)

Month & Assessment	Chapter Name/No	Subject Enrichment Activities (Lab Activity/Map Activity/Workbook)	Learning Out come
April PERIODIC 1 30%	LITERATURE READER L 1-The fun they had L 2-The sound of music L 3-The little girl POETRY- P 1-The road not taken P 2 Wind P 3-Rain on the roof. SUPP.READER L1-The lost child L2-The adventures of Toto	GRAMMAR+WRITING +SPEAKING SKILLS Poetic devices Adverbs, Tenses, Beginning with a to- verb, synonyms, Reported verbs Letter to place an order, Paragraph writing	The students will be able to learn : Poetic device Adverbs Tenses Synonym Reported The students will learn poem appreciation, imagery, poetic devices

<p>May</p>	<p>LITERATURE READER L 4 -A truly beautiful mind L 5 -The snake and the mirror. L 6-My childhood POETRY- P 4- The lake isle of Innisfree P 5 A legend of the Northland SUPP.READER L3-Isawaran the storyteller L4-In the kingdom of fools</p>	<p>Clauses, Reported speech, Phrases, Prefix, Voice, Verb forms , determiners</p> <p>Newspaper Report, story writing</p>	<p>The students will be able to learn : The usage of correct verb forms Determiners Clauses Reported speech Phrases Prefix Voice</p> <p>They will be able to write Newspaper Report, story writing</p>
<p>July</p>	<p>Grammar and revision of PT1</p>	<p>i)email/formal/informal letters ii)group discussion iii)Report writing iv)editorial letter</p>	<p>The students will be able to learn to write i)diary, email, formal/ informal, letters, description of people. ii)The students will learn poem appreciation, imagery, poetic devices iii) usage of correct verb forms and determiners</p>
<p>PA-I(VI-X) /UT-I (XI-XII)</p> <p style="text-align: center;">PERIODIC 1 30% OF THE TOTAL SYLLABUS</p>			
<p>August PD 2 50%</p>	<p>LITERATURE READER L 7 - Packing POETRY- P 6-No men are foreign SUPP.READER L5 The happy prince</p>	<p>Phrases, Proverbs, modals , connectors, editing/omission ,sentence reordering</p> <p>Paragraph writing</p>	<p>The students will be able to understand phrases, proverbs, modals , connectors, editing , omission and sentence reordering.</p>

<p>September</p>	<p>Revision</p>	<p>i)dialogue writing ii)note making</p> <p>Radio show</p>	<p>The students will be able to</p> <p>i) participate in GD ii) enact dialogues iii)use poetic devices iv)read and critically analyse v)conduct a radio show</p>
<p>HY oct (VI-XII)</p> <p>20% Covered in pd 2+30%of portion covered in pd 1=50% HALF YEARLY</p>			
<p>October PERIODIC 3 30%</p>	<p>LITERATURE READER L 8-Reach for the top L 9 -The bond of love POETRY- P 7-The duck and the kangaroo P 8-On killing a tree SUPP.READER L6-Weathering the storm in Ersama L7-The last leaf</p>	<p>Sentence , Clause, Subject and the verb , Adverbs</p> <p>Prepare a speech Article writing , Debate</p>	<p>The students will be able to understand :</p> <p>Sentence , Clause, Subject and the verb , Adverbs</p> <p>They will be able to prepare a speech article writing and debate</p>
<p>November</p>	<p>LITERATURE READER L 10 - Kathmandu POETRY- P 9-The snake trying SUPP.READER L8-A house is not a home L9-The accidental tourist</p>	<p>Phrasal verb , Suffix , Punctuation, Tense</p>	<p>The students will be able to know about phrasal verb , suffix , punctuation and tense .</p>

PB-I Class XII

December PD 3 30%	LITERATURE READER L 11-If I were you. POETRY- P 10-A slumber did my spirit seal SUPP.READER L10.The beggar	Figurative Devices Paragraph writing SAMPLE PAPERS+ADDITIONAL GRAMMAR AND WRITING EXERCISES	The students will be able to practice as per new Board pattern
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PB-II Class XII

PA-2 (VI-X),/UT-2 (XI)

PERIODIC 3 30% covered after half yearly

January	REVISION		
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PB (Class 10)

February	REVISION(SAMPLE PAPERS)		
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March

AE-(VI- IX) FINALS

100% syllabus

Note: Note Book maintenance rubrics: 5% WEIGHTAGE :punctuality, neatness, updated work,