

Syllabus of class -IX
English

Book: English Reader (Literature)
English Grammar

Periodic-I

Literature	: F1	How I taught my grandmother to read
	: F2	A dog named duke
	: F3	The man who knew too much
	: P1	The brook
	: P2	The road not taken
	: P3	The solitary Reaper
	: D1	Villa for sale
MCB	: U1	People
	: U2	Adventure
	: U3	Environment
WB	: Prepositions, determiners, tense, connectors, modals.	
Writing Skill	: E-mail, article, story writing.	
Reading Skill	: Comprehension passage (Novel)	

Enrichment Activities:-

- 1) A.S.L
- 2) Notebook Assessment
- 3) Integrated Project

Periodic- II

Literature	: F4	Keeping it from Harold
	: F5	Best seller
	: P4	Lord Ullin's daughter
	: P5	The seven ages
	: P6	Oh, I wish I'd looked after my teeth
	: P7	Song of the rain
	: D2	The bishop's candlesticks
MCB	: U4	Mystery
	: U5	Children
	: U6	Sports and games
WB	: Voices (active and passive), The reported speech, subject-verb concord, clauses	
Writing Skill	: Diary entry, paragraph writing, report writing	
Reading Skill	: Comprehension passage (Novel)	

Enrichment Activities:-

1. A.S.L
2. Notebook Assessment
3. Integrated Project

Syllabus of 1st Periodic will be added.

Annual Exam: Whole Syllabus

Syllabus of class - IX
Foundation of IT

Book: Foundation of I.T

Periodic-I

Book: -

: Ch-1, 2, 3, 4, 5

Activity:-

- 1) Draw the outline of I.P.O process on a chart (with its explanation)
- 2) Visit your school computer room, list different types of hardware parts (input, output, and processing and storage devices.) which are being used.
- 3) Take your English book and write a story (in 100 words)

Instructions: format the text using the following formatting styles.

Alignment : Justify
Indent : Before text 1.0"
Line spacing : 1-5 lines
Font : Bell MT
Font Size : 14
Paragraph spacing: above paragraph 6.00"

Periodic- II

Book: -

: Ch-6, 7, 8, 9, 10, 1, 2, 3, 4, 5

Activity:-

- 1) Create a document that contains four chapters of a subject
 - ❖ Add chapters name in the header in the way that header will display th name of the chapters on their respective pages only.
- 2) Collect information about internet service provider companies in India.
- 3) Open the impress,
 - a) Create a new presentation on 'Indian Monuments:
 - b) Add 20 slides in the presentation with different layouts
 - c) Enter text, pictures, font styles, themes, colours etc.
 - d) Save the presentation with the file name, 'Indian monuments'.
 - e) View the presentation
 - f) Add custom animation effects and sound and then view the presentation
 - g) Close the presentation
 - h) Exit the impress.

Pre-board - All syllabuses

Annual Exam:- Whole Syllabus.

Syllabus of class - IX
Mathematics

Book: NCERT

Periodic-I

Book: - : Ch-1 Real numbers
: Ch-2 Polynomials
: Ch-3 Coordinate Geometry
: Ch-5 Introduction to Euclid's Geometry
: Ch-6 Lines & Angles
: Ch-7 Triangles
: Ch-12 Area (Heron's formula)

Lab Manual Activities:-

- 4) To construct a square root spiral that depicts the square roots of natural numbers by paper folding method.
- 5) To verify the algebraic identity $(a+b)^3 = a^3 + b^3 + 3a^2b + 3ab^2$ by paper cutting & pasting
- 6) To verify that the sum of the angles of a triangle is 180°
- 7) To verify that if a side of a triangle is produced, the exterior angles so formed is equal to the sum of the two interior of opposite angles, using the method of paper cutting & pasting.
- 8) To plot the points in a Cartesian plane by activity method and obtain the mirror image of a given geometrical figure with respect to X-axis & Y-axis.

Group Activity:-

- 9) To construct crossword puzzles using mathematical terms

Project:-

- 10) To make a square root spiral on chart paper
- 11) To verify angle sum property of a triangle by using paper cutting & pasting methods.

Periodic- II

Book: - : Ch-8 Quadrilaterals
: Ch-9 Area
: Ch-10 Circles
: Ch-11 Constructions
: Ch-13 Surface areas & volume
: Ch-14 Statistics
: Ch-15 Probability
: Ch- 4 Linear equation in two variables

Lab Manual Activities:-

- 4) To find the area of parallelogram by paper cutting & pasting method
- 5) To show that the straight line joining the mid points of any two sides of a triangle is parallel to the third side & is half of it.
- 6) To draw angle subtended by an arc at the center of circle is twice the angle subtended by the same arc at any other point on the remaining part of the circle.
- 7) To verify the opposite angles of a cyclic quadrilateral are supplementary by paper folding activity.
- 8) To find the formula for the lateral surface area of a right circular cone by using paper cutting, folding & pasting method.

Project:-

- 9) Number of children per family in the neighbourhood
- 10) Observing interesting patterns in cricket match.

Annual exam: - Whole syllabus.

Syllabus of class - IX
Science

Book: NCERT

Reference book: Together with Lakhbir Singh & Manjit Kaur, S.K Jain

Practical Manual: (Student's Companion)

Periodic-I

Chemistry	: Ch-1 Matter in our surroundings : Ch-2 Is matter around us pure : Ch-3 Atoms and molecule
Physics	: Ch-8 Motion : Ch-9 Force and laws of motion : Ch-13 Why do we fall ill.
Biology	: Ch- 5 The fundamental unit life - cell : Ch- 6 Tissues

Class room activities:-

Chemistry:-

- 12) To prepare true solution
a) Common Salt b) Sugar c) Alum in water
- 13) To prepare a colloidal solution of
(i) Starch (ii) Albumin

Physics:-

- 14) To prepare (a) Mixture (b) Compound using iron filling and sulphur powder and distinguish them.
- 15) To study reaction between iron nails and copper sulphate solution.

Biology:-

- 16) To test the presence of starch in a given food sample
- 17) To prepare stained mount of onion peel and to record observation and draw their labeled diagram.
- 18) To prepare temporary mount of cheek epithelial cell.
- 19) To identify parenchyma and sclerenchyma tissues in plants from prepared slide and to draw their labeled diagram.

Periodic- II

Chemistry	: Ch-1 Matter in our surroundings (Repeated) : Ch-2 Is matter around us pure (Repeated) : Ch-3 Atoms and molecule (Repeated)
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Physics	: Ch-12 Sound : Ch-13 Why do we fall ill : Ch-14 Natural Resources : Ch-15 Improvement in food resources. : Ch-10 Gravitation : Ch-11 Work and energy.
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Biology	: Ch-7 Diversity in living organisms : Ch-13 Why do we fall ill. : Ch-14 Natural Resources : Ch-15 Improvement in food resources.
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Repeated Topics:-

- : Ch-5 The fundamental unit life-cell
- : Ch-6 Tissues

Class room activities:-

Chemistry/ Physics:-

- 1) To study the burning of magnesium ribbon and classify it as a physical or chemical change.
- 2) To study the reaction of zinc with dilute sulphuric acid and classify it as physical and chemical change.

Laboratory activities:-

Biology:-

- 3) To determine the percentage of water absorbed by raisins.
- 4) To test the presence of mentanil yellow in pigeon pea (Arhar dal)
- 5) To identify striated muscle fiber and nerve fiber in animals and draw their labeled diagram.

Annual exam: - Whole syllabus.

Syllabus of class - IX

Social Science

Book: NCERT : History, Geography, Political Science, Economics.

Periodic-I

History	: Ch-1 The French Revolution : Ch-2 Socialism in Europe and Russian revolution. : Ch-3 Nazism and the rise of Hitler.
Geography	: Ch-1 India - size and location : Ch-2 Physical features of India. : Ch-3 Drainage
Political Science	: Ch-1 Democracy in the contemporary world. : Ch- 2 What is democracy? Why democracy? : Ch- 3 Constitutional design
Economics	: Ch- 1 The story of village Palampur : Ch-2 People as resource

Activities:-

History:-

- 20) Find out more about any one of the revolutionaries. Write a short biography of this person.
- 21) List two differences between the capitalist and socialist ideas of private property.

Lab Manual :- Ch-1, 2 and 3

Geography:-

- 22) Collect information about the "Silk Route" also find out the new development which are improving communication routes in the regions of high altitudes.

Map activity :- 1 , 2 , 3

Lab Manual :- Ch- 1, 2 and 3

Politically Science:-

- 23) Write a speech on democratic and non- democratic Government.
- 24) Write the name of the countries where non- democratic Government are establish.

Project:- (Topic) : Develop a case study on the evolution of the democratic set-up in one out of CHILE/POLAND/PAKISTAN/MEXICO.

Economics:-

- 25) Visit a village or colony located near to your residential area and note down the various activities undertaken by the people of that village or colony.

Periodic- II

History	: Ch-4 Forest society and colonialism : Ch-5 Pastoralist in the modern world : Ch-6 Peasants and farmers.
Geography	: Ch-4 Climate : Ch-5 Natural vegetation and wild life : Ch-6 Population
Political Science	: Ch-4 Electoral Politics : Ch-5 Working of Institutions : Ch-6 Democratic rights.
Economics	: Ch-3 Poverty as a challenge :Ch-4 Food security in India.

Activities:-

History:-

- 1) {Exhibition} The teacher will instruct the students to collect any 6 forest products. (Ex-bamboo, honey, tents, leaves)
A limited time of 2 days may be given and observe the changes after two days.

Map Work:-

- 2) Find out the location of different pastoral communities in India.
- 3) Find out the location of different pastoral communities of Africa.

Case study:-

- 4) Prepare a case study on the life of Peasant (Group activity).

Geography:-

- 5) Collect photograph of typical rural houses and clothing of people from different region of India. Examine whether they reflect any relationship, relief of the area.
- 6) Collect more information about various endangered species from newspaper and magazine

Lab manual :- Ch- 4, 5 and 6

Map activity:-Ch- 5 and 6.

Politically Science:-

- 7) Assembly elections are usually held every year in a few states of the country. You can collect information about the elections that take place during this session.
- 8) Meet the mayer or municipal chairperson of your town or President of Zila parishad of your district and ask him/her about how the city, town, district, is administered.

Debate:-

- 9) Job reservation are not a violation of the "Right to equality".

Economics:-

- 10) Collect information about planning of Modi for Poor and rural area.

Lab manual :- Ch- 2 and 3.

Annual Exam :- Whole Syllabus

संस्कृत (IX)

पाठ्य - पुस्तकें : मणिका (NCERT)

Periodic - I

मणिका : पाठ प्रथम:- तत त्वम असि
: पाठ द्वितीय:- अविवेकः परमापदा पदम
: पाठ तृतीय:- पाथेयम
: पाठ चतुर्थ:- स्वस्थवृत्तम
: पाठ पञ्चम:- भ्रातृस्नेहस्तु दुर्लभः
: पाठ षष्ठ:- विधया भांति सदशुणाः
: पाठ सप्तम:- तरवे नमोऽस्तु

क्रियाकलाप : महाभारत ग्रंथ से संस्कृत के कुछ श्लोक चार्ट पर लिखकर लाए !
: गर्मियों की छुट्टी में आप जहाँ यात्रा करने जाते हैं, उसे वाचेयम पाठ के आधार पर लिखे !
: भारतीय पांचांग को संस्कृत में वर्णन करो !

व्याकरण : १. गधांशा
: २. पत्र लेखनम
: ३. चित्र वर्णनम
: ४. अनुच्छेदम
: ५. संधि प्रकरणम
: ६. शब्दरूपप्रकरणम्
: ७. धातुरूप

: Periodic - II

मणिका : पाठ अष्टम:- कर्मणा याति संसिद्धिम
: पाठ नवम:- विजयताम स्वदेशः
: पाठ दशम:- कीऽह वदतु
: पाठ एकादश:- न धर्मवृद्धेषु वयः समीक्ष्यते
: पाठ द्वादश:- कवयामि क्यामि यामि
: पाठ त्रयोदश:- भारतीय विज्ञानम
: पाठ चतुर्दश:- भारतेनास्ति मे जीवन जीवनम्

क्रियाकलाप : अपनी मनपसंद फिल्म पर संस्कृत में वार्तालाप करे ! तथा लिखे भी !

व्याकरण : ६. धातुरूप प्रकरणम
: ७. गधांशाः
: ८. कृत- प्रत्ययाः

लेखन कौशल : पत्र लेखनम
: अनुच्छेद लेखनम
: कारकविभक्तयः उपपदविभक्तयः च

Annual Exam:- Whole Syllabus.

हिन्दी - 'अ' (IX)

- पाठ्य - पुस्तकें : 1. क्षितिज
: 2. कृतिका
: 3. हिन्दी व्याकरण

Periodic - I

क्षितिज (गद्य खण्ड): पाठ 1 :- दो बैलो की कथा

- : पाठ 2 :- लहासा की ओर
: पाठ 3 :- उपभोक्तावाद की संस्कृति
: पाठ 4 :- साँवले सपनों की याद

कक्षा गतिविधि : दूरदर्शन पर दिखाए जाने वाले विज्ञापनों का प्रभाव (वाद-विवाद)

क्षितिज(काव्य खण्ड): पाठ 9 :- साखियाँ एवं सबद

- : पाठ 10 :- वाख
: पाठ 11 :- सवैये
: पाठ 12 :- कैदी और कोकिला
: पाठ 13 :- ग्राम श्री

कक्षा गतिविधि : भक्तिकालीन चार्ट (लिखित)

- : सचित्र कविता लेखन

कृतिका

- : पाठ 1 :- इस जल प्रलय मे
: पाठ 2 :- मेरे संग की औरतें
: पाठ 3 :- रीढ की हड्डी

कक्षा गतिविधि : प्राकृतिक आपदा (बाढ) पर एक परियोजना तैयार कीजिए !

- : शिक्षा बच्चों का जन्म सिद्ध अधिकार - सरकार द्वारा किए गए प्रयासों पर चर्चा !

व्याकरण

- : अपठित गद्यांश व पद्यांश
: शब्द निर्माण - उपसर्ग , प्रत्यय
: समास
: अलंकार

लेखन कौशल

- : निबंध लेखन
: पत्र लेखन
: संवाद लेखन

इच्छानुसार गृहकार्य : कबीर जी और रहीम जी द्वारा रचित दोहों का संकलन !

- : वसन्त ऋतु के आगमन का शाब्दिक चित्र प्रस्तुतीकरण तथा उससे संबंधित एक कविता लिखिए !

मूल्यांकन गतिविधि : श्रवण व वाचन कौशल

- : कॉपी मूल्यांकन
: कक्षा परीक्षा (लिखित व मौखिक)
: परियोजना कार्य

Periodic - II

क्षितिज (गद्य खण्ड): पाठ 5 :- नाना साहब की पुत्री देवी मैना को भस्म कर दिया गया

- : पाठ 6 :- प्रेमचंद के फटे जूते
- : पाठ 7 :- मेरे बचपन के दिन
- : पाठ 8 :- एक कुत्ता और एक मैना

कक्षा गतिविधि : पशु - पक्षियों पर लिखी कविताओं का संग्रह करें और उनके चित्रों के साथ उन्हें प्रदर्शित करें

क्षितिज(काव्य खण्ड): पाठ 14 :- चंद्र गहना से लौटती बेर

- : पाठ 15 :- मेघ आए
- : पाठ 16 :- यमराज की दिशा
- : पाठ 17 :- बच्चे काम पर जा रहे हैं !

कक्षा गतिविधि : वर्तमान युग में सभी बच्चों के लिए खेलकूद और शिक्षा के समान अवसर प्राप्त हैं - वाद विवाद प्रतियोगिता !

कृतिका : पाठ 4 :- माटी वाली

- : पाठ 5 :- किस तरह आखिर कार मैं हिंदी में आया !

कक्षा गतिविधि : समय के महत्त्व के विषय में पिता - पुत्र के मध्य वार्तालाप को संवाद के रूप में कक्षा में प्रस्तुत करना !

व्याकरण : अपठित गद्यांश व पद्यांश

- : अर्थ की दृष्टि से वाक्य भेद
- : अलंकार

लेखन कौशल : निबंध लेखन

- : पत्र लेखन
- : संवाद लेखन

इच्छानुसार गृहकार्य : वृक्ष धरा के भूषण हैं - एक परियोजना तैयार कीजिए !

- : 'श्री इंडियट्स' फिल्म देखिए व बताइए कि आदर्श पात्र कौन और क्यों हैं ? फिल्म व पात्र से क्या प्रेरणा मिलती है !

मूल्यांकन गतिविधि : श्रवण व वाचन कौशल

- : कॉपी मूल्यांकन
- : कक्षा परीक्षा (लिखित व मौखिक)
- : परियोजना कार्य

Annual Exam: - Whole Syllabus