

Syllabus of class -X
English

Book: English Reader (Literature) NCERT
English Grammar

Periodic-I

Literature	: F1	Two gentlemen of Verona
	: F2	Mrs. Packletide's tiger
	: F3	The letter
	: P1	The frog and the nightingale
	: P2	Mirror
	: P3	Not marble nor the gilded monuments
	: D1	The dear departed
MCB	: U1	Health and medicine
	: U2	Education
	: U3	Science
WB	: Prepositions, determiners, tense, connectors, subject verb agreement, modals.	
Writing Skill	: letter (formal & informal), notice, diary entry, bio sketch, article writing.	
Reading Skill	: Comprehension passage (Novel)	
Enrichment Activities:-		
	1)	A.S.L
	2)	Notebook Assessment
	3)	Integrated Project

Periodic- II

Literature	: F4	A shady plot
	: F5	Patol Babu film star
	: F6	Virtually true
	: P4	Ozymandias
	: P5	The rime of the ancient mariner
	: P6	Snake
	: D2	Julius Caesar
MCB	: U4	Environment
	: U5	Travel and tourism
	: U6	National integration
WB	: Active and passive voice, non-finites, Relatives, comparison, nominalization reported Speech.	
Writing Skill	: E-mail, speech writing, debate, report writing, story 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 - X
Foundation of IT

Book: Foundation of I.T

Periodic-I

Book: -

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

Activity:-

- 1) Find out and make a list of various e-shopping websites and make a presentation on the information gathered.
- 2) Create a database of your class X with the following fields and validations

Name	Data type
Name	Tent
Address	Memo
City	Tent
Date of birth	Date
Age	Number
Phone no.	Number

 - ❖ Set the validation rule for age <13
 - ❖ Enter 10 records in table
 - ❖ Set the input mask for field mobile as (0)
- 3) Create a webpage of My School with all the editing and styling features.

Periodic- II

Book: -

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

Activity:-

- 1) Create a webpage of "My School" using ordered and unordered list and add the webpage to "My School" website.
- 2) Make a multimedia presentation using different software on "Save Earth".

Pre-board - full syllabus

Annual Exam:- Whole Syllabus.

Syllabus of class - X
Mathematics

Book: NCERT
Reference Book:-
Test Booklet: Chapter wise

Periodic-I

Book: -

- : Ch-2 Polynomials
- : Ch-3 Pair of linear equation in two variable
- : Ch-4 Quadratic equation
- : Ch-5 Arithmetic Progression
- : Ch-6 Triangles
- : Ch-7 Coordinate Geometry
- : Ch-8 Introduction to trigonometry

Lab Manual Activities:- (In Maths activity file)

Activity:-

- 4) To obtain a graphical exploration of the zeroes of a quadratic polynomial
- 5) To obtain the conditions for consistency of a system of linear equations into variables by graphical method.
- 6) To verify the basic proportionality theorem using parallel line board and triangle pasting (type- I)
- 7) To verify that the ratio of the areas of two similar triangles is equal to the ratio of the squares of their corresponding sides
- 8) To verify the Pythagoras theorem by the method of paper folding, cutting & pasting
- 9) To solve the quadratic equation $X^2 + 6X - 40 = 0$ by activity method by completion of square.
- 10) To verify that the sum of first n natural numbers is $\frac{n(n+1)}{2}$
- 11) To demonstrate through an activity that sum of first n odd natural numbers.
- 12) To derive the formula for the nth term of an arithmetic progression (A.P)..
- 13) To verify the distance formula by activity method
- 14) To verify the section formula by paper folding & pasting method
- 15) To verify the fundamental identity' $\sin^2 X + \cos^2 X = 1$

Project:-

- a) To make mathematical design & patterns using arithmetic progression.
- b) Displacement and rotation of a geometrical figure
- c) How to create Pythagorean triplets

Periodic- II

Book: -

- : Ch-9 Applications of trigonometry
- : Ch-14 Statistics
- : Ch-15 Probability
- : Ch-10 Circles
- : Ch-11 Constructions
- : Ch-12 Area related to circles
- : Ch-13 Surface area & volume
- : Ch-1 Real number

Lab Manual Activities:- (In maths activity file).

Activity:-

- 3) To make a clinometer and use it to measure the height of an object.
- 4) To locate graphically the median of a given frequency distribution
- 5) To draw a cumulative frequency curve (or an Ogive of less than type and of more than type)
- 6) To verify using the method of paper cutting, pasting and folding that the lengths of tangents from an external point to a circle are equal.
- 7) To compare (1) Curved surface area (2) Total surface areas of two right circular cylinders which is formed from rectangular sheets of paper having same dimensions.
- 8) To find the formula for the volume of a right circular cylinder in terms of its height and radius of base of the cylinder
- 9) To get familiar with the idea of probability of an event through a double colour card experiment.

Project:-

- a) Frequency of letters/ Words in a language.
- b) To observe and appreciate that the probability through an experiment
- c) To investigate the efficiency of packing of objects of different shapes in a cuboid box.

Annual Exam:- Whole Syllabus.

Syllabus of class - X Science

Book: NCERT

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

Practical Manual: (Student's Companion)

Periodic-I

Chemistry	: Ch-1 Chemical reaction and equations : Ch-2 Acids base and salts : Ch-3 Metals and non-metals
Physics	: Ch-12 Electricity and its effect : Ch-13 Magnets and magnetic effect of current : Ch-14 Source of energy
Biology	: Ch- 6 Life processes : Ch- 7 Control and co-ordination : Ch-15 our environment

Laboratory activities:-

Chemistry:-

- 16) To study observatory changes during chemical reaction.
- 17) To study the type of chemical reaction
- 18) Determination of ph. Value different substances.

Physics:-

- 19) To identify the various components like resistance, rheostat, voltmeter, ammeter, key etc.
- 20) To determine the equivalent resistance of two resistors when connected in series.
- 21) To determine the equivalent resistive when connected in parallel

Biology:-

- 22) To show experimentally that light is necessary for photo synthesis
- 23) To observe and record the changes in blood pressure and pulse rate before and after exercise in your body.
- 24) To prepare a temporary mount of leaf peel to show stomata
- 25) To design an experiment to demonstrate hydrotropism.

Periodic- II

Chemistry	: Ch-1 Chemical reaction and equations (Repeated) : Ch-4 Carbon and its compound : Ch-5 Periodic classification of element : Ch-3 Metals and non-metals
Physics	: Ch-2 Acid, base and salt : Ch-10 Reflection of light / Refraction of light. : Ch-14 Source of energy : Ch- The human eye and colour : Ch-12 Electricity and its effect. : Ch-13 Magnets and magnetic effect.
Biology	: Ch- 8 How do organism reproduce : Ch- 9 Heredity and evolution : Ch-11 Human eye and colourful world : Ch-16 Management of natural resources.

Repeated Topics:-

- : Ch-6 Life processes
- : Ch-7 Control and co-ordination
- : Ch-15 Our environment

Laboratory activities:-

Chemistry:-

- 1) To study the acidity and basicity of the following substance
a) Lemon juice b) shampoo c) vinegar d) Coffee
- 2) To study physical and chemical properties of metals like magnesium, zinc, Aluminum and nonmetals like sulphur, carbon.

Physics:-

- 3) Refraction through a glass slab
- 4) Formation of images by convex lens according to distance.

Biology:-

- 5) To study binary fission in amoeba
- 6) To study budding in yeast with the help of prepared slide.
- 7) To study Homology and analogy with the help of models/charts of animals and models/chart/specimen plant.
- 8) To identify different parts of dicot seed (per gram) or red kidney bean.

Annual exam: -

Whole syllabus.

Syllabus of class - X

Social Science

Book: NCERT : History(India and the contemporary World- II) , Geography(Contemporary India- II), Political Science (Democratic Politics Part-II), Economics (Indian Economy).

Periodic-I

History	: Ch-1 The rise of Nationalism in Europe : Ch-2 The Nationalist 'Movement in Indo- China'. : Ch-3 Nationalism in India. : Ch-4 The making of a global world.
Geography	: Ch-1 Resources and Development : Ch-2 Water resources : Ch-3 Agriculture
Political Science	: Ch-1 Power sharing : Ch- 2 Federalism : Ch- 3 Democracy and diversity : Ch- 4 Gender, Religion, Caste.
Economics	: Ch- 1 Development :Ch- 2 Sectors of the Indian Economy. :Ch- 3 Money and credit

Activities:-

History:-

- 26) Activity Map :- Lesson - 1, 2, 3.
- 27) Summarise the attributes of a nation, as Rohan understand them. Why, in his view, are nations important?
- 28) Discuss. The importance of language and popular traditions in the creations of national identity.

Geography:-

- 29) Activity Map:- Lesson - 1, 2, 3.
- 30) Projects make a project showing consumption and conservation of resources in your locality.

Politically Science:-

- 31) Activity Flow Chart: - Prepare a flow chart depicting how power is shared among the different organs of the government or how power is shared horizontally and vertically.
- 32) Find out about the local government in the village or town you live in.

Economics:-

- 33) Invite three different speakers to talk to you about the development of your region. Ask them all the questions that come to your mind. Discuss these ideas in groups. Each group should prepare a well chart.
- 34) Graph analysis - The distribution/ Contribution of three sectors to the G.D.P of India.
- 35) Integrated project.

Periodic- II

History	: Ch-5 The age of Industrialization : Ch-6 Work, life and Leisure. : Ch-7 Print culture and the modern world. : Ch-8 Novels, Society and History.
Geography	: Ch-4 Minerals and energy resources. : Ch-5 Manufacturing industries : Ch-6 Life lines of National Economy.
Political Science	: Ch-5 Popular struggles and movements : Ch-6 Political Parties : Ch-7 Outcomes of Democracy. : Ch-8 Challenges to democracy
Economics	: Ch- Globalization and the Indian Economy :Ch- Consumers Rights

Activities:-

History:-

- 1) Map Lesson- 3
- 2) Compare the examples of the work done by Baron Haussmann in Paris and Lie Kuan view.
- 3) Write out a notice from the Bengal smoke nuisance commission to the owner of a factory. Pointing out the dangers and harmful effects of industrial smoke.
- 4) Imagine that you are Markopoulos. Write a letter from chine to describe the world of print which you have san there.

Geography:-

- 5) Find out why an Indian farmer does not want his son to become a farmer.
- 6) Map Geo:- Lesson - 5, 6, 7
- 7) Group discussion on the necessity of literacy among farmers.

Politically Science:-

- 8) Data collection- collect information about SEBS
- 9) Collect information regarding six national parties and prepare a manifesto for the same. Each student would speak about the same.

Economics:-

- 10) Debate on Trade practices.
- 11) Prepare a poster with catchy slogans
- 12) Conduct a survey in your locality by supplying the following questions are to get an idea as idea as to how alert are as consumers.

हिन्दी - 'अ' (X)

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

Periodic - I

- क्षितिज (काव्य खंड) : पाठ 1 :- पद
: पाठ 2 :- राम लक्ष्मण परशुराम संवाद
: पाठ 3 :- सवैया, कवित्त - I, II
: पाठ 4 :- आत्मकथा
: पाठ 5 :- उत्साह अट नहीं रही है !

कक्षा गतिविधि :-

- ✍ भक्तिकालीन चार्ट
- ✍ बड़े - छोटे भाई के मध्य प्रेम व संबंध (चर्चा)

- क्षितिज (गद्य खण्ड): पाठ 10 :- नेताजी का चश्मा
: पाठ 11 :- बालगोविन भगत
: पाठ 12 :- लखनवी अंदाज
: पाठ 13 :- मानवीय करुणा की दिव्य चमक

कक्षा गतिविधि : एक सच्चे देशभक्त पर परियोजना तैयार कीजिए !

- कृतिका : पाठ 1 :- माता का अँचल
: पाठ 2 :- जार्ज पँचम की नाक
: पाठ 3 :- साना साना हाथ जोडि

कक्षा गतिविधि : देश की सीमा पर बैठे जवान अनेक कठिनाइयों से जूझते हैं - चर्चा !

- व्याकरण : अपठित गद्यांश व पद्यांश
: रचना के आधार पर वाक्य भेद !
: वाच्य
: पद परिचय

- लेखन कौशल : निबंध लेखन
: पत्र लेखन
: विज्ञापन लेखन

इच्छानुसार गृहकार्य : बाहुबली फिल्म का आदर्श पात्र कौन और क्यों है ? वह हमें क्या प्रेरणा देता है ?
: भ्रष्टाचार - वाद विवाद प्रतियोगिता !

- मूल्यांकन गतिविधि : श्रवण व वाचन कौशल
: कॉपी मूल्यांकन
: कक्षा परीक्षा (लिखित व मौखिक)
: परियोजना कार्य

Periodic - II

क्षितिज (गद्य खण्ड): पाठ 14 :- एक कहानी यह भी

: पाठ 15 :- स्त्री शिक्षा के विरोधी कुतर्कों का खंडन

: पाठ 16 :- नौबतखाने में इबादत

: पाठ 17 :- संस्कृति

कक्षा गतिविधि : स्त्री शिक्षा :- (पक्ष - विपक्ष) लिखिए

: भ्रष्टाचार - वाद विवाद प्रतियोगिता

क्षितिज(काव्य खण्ड): पाठ 6 :- यह दंतुरित मुस्कान - फसल !

: पाठ 7 :- छाया मत छूना

: पाठ 8 :- कन्यादान

: पाठ 9 :- संगतकार

कक्षा गतिविधि : स्त्री को सौंदर्य का प्रतिमान बना दिया जाना ही उसका बंधन बन जाता है - चर्चा !

कृतिका : पाठ 4 :- एही ठैया झुलनी हेरानी हो रामा !

: पाठ 5 :- मैं क्यों लिखता हूँ ?

कक्षा गतिविधि : आधुनिकता की देन - लिखित !

व्याकरण : पद परिचय

: रस

: अपठित गद्यांश व पद्यांश

लेखन कौशल : निबंध लेखन

: पत्र लेखन

: विज्ञापन लेखन

इच्छानुसार गृहकार्य : किसी एक फिल्म को ध्यानपूर्वक देखिए और बताइए आदर्श पात्र कौन और क्यों ? फिल्म और उस आदर्श पात्र से हमें क्या प्रेरणा मिली ! 'थ्री इंडियट्स', 'दंगल', 'तारे जमीन पर' !

: अपने विद्यालय में नवीन सत्र में प्रवेश हेतु विज्ञापन तैयार कीजिए !

मूल्यांकन गतिविधि : श्रवण व वाचन कौशल

: कॉपी मूल्यांकन

: कक्षा परीक्षा (लिखित व मौखिक)

: परियोजना कार्य

Annual Exam:- Whole Syllabus.