

SYLLABUS: 2021- 2022 (Class-X)

SUBJECT: ENGLISH

BOOK-

1. *First Flight – A Textbook in English for Class X*

(N. C. E. R. T.)

2. *Footprints Without Feet - Supplementary Reader in English for Class X*

(N. C. E. R. T.)

Periodic Assessment - 1

First Flight

Prose:

Lesson 1: A Letter to God

Poetry:

Poem 1: Dust of Snow

Poem 2: Fire and Ice

Footprints Without Feet

Prose:

Lesson 1: A Triumph of Surgery

Lesson 2: The Thief's Story

Portfolio Assignment: April:

1. Formal Letter : Inquiry ; Placing Order
2. Write articles on the following topics (100-150 words)
 - a. Faith in God always works
 - b. True liberty is freedom from poverty, deprivation and all forms of discriminations.

Summer Break Homework

1. Read lessons 3-7 from **First Flight** and lesson 3-8 from **Footprints Without Feet**.
2. Collect inspirational articles (2) and poems (4) from magazines and newspapers. Paste them in the Portfolio.
3. Write articles on the following topics in the Portfolio (100-150 words)
 - a. Prevent cruelty towards animals
 - b. Love and compassion can bring a positive change
 - c. Criminals are born or are they victims of circumstances.
 - d. Global Warming and other Environmental Issues
4. Write letters of Inquiry and Placing Order (3-5) in the Portfolio

Class Test

1. Reading Comprehension
2. Grammar
3. Writing Skills

Periodic Assessment - 2

First Flight

Prose:

Lesson 2: Nelson Mandela : Long Walk to Freedom

Lesson 3: Two Stories about Flying

Lesson 4: From the Diary of Anne Frank

Lesson 5: The Hundred Dresses- I

Lesson 6: The Hundred Dresses -II
Lesson 7: Glimpses of India

Poetry:

Poem 3: A Tiger in the Zoo
Poem 4: How to Tell Wild Animals
Poem 5: The Ball Poem
Poem 6: Amanda
Poem 7: Animals
Poem 8: The Trees

Footprints Without Feet

Prose:

Lesson 3: The Midnight Visitor
Lesson 4: A Question of Trust
Lesson 5: Footprints Without Feet
Lesson 6: The Making of a Scientist
Lesson 7: The Necklace

Portfolio Assignment: July - August

1. Formal Letter : Complaint ; Letter to the Editor
2. Write a story : (150-200 words) and analyse the different elements of story writing from it.
3. Make a Collage on “ Incredible India”
4. Write Articles on : (100-150 words)
 1. Coping with the Loss
 2. Bullying : A Blot in a Student’s Life.

Note: Full Syllabus of Periodic Assessment 1 will be assessed in Periodic Assessment: 2

Pre Board Examination

First Flight

Prose:

Lesson 8: Mijbil the Otter
Lesson 9: Madam Rides the Bus
Lesson 10: The Sermon at Benaras
Lesson 11: The Proposal

Poetry:

Poem 9: Fog
Poem 10: The Tale of Custard the Dragon
Poem 11: For Anne Gregory

Footprints Without Feet

Prose:

Lesson 8: The Hack Driver
Lesson 9: Bholi
Lesson 10: The Book That Saved the Earth

Portfolio Assignment : October

1. Make a Project on : Internet and Cyber Crime are on the rise.
2. Write Paragraphs on : : (100-150 words)

- a. Women Empowerment
- b. Violence Amongst Youth

Note: - Full Syllabus of Periodic Assessment 1, 2_& Pre- Board will be assessed in the Pre- Board and Final Examination.

पाठ्यक्रम : 2021–2022

विषय हिन्दी

कक्षा दस

पाठ्य पुस्तकें

1. क्षितिज भाग –2 (एन. सी. ई. आर. टी)
2. कृतिका भाग –2 (एन. सी. ई. आर. टी)
3. **Together** हिन्दी व्याकरण–नौवीं एवं दसवीं कक्षा–कोर्स–ए (रचना सागर)

प्रथम सत्रीय परीक्षा

क्षितिज (गद्य खण्ड)

पाठ 10 नेताजी का चश्मा – स्वयं प्रकाश

पाठ 11 बालगोबिन भगत – रामवृक्ष बेनीपुरी

काव्य खण्ड

पाठ 1 पद – सूरदास

व्याकरण –

1 पद–परिचय

वाद–विवाद कार्य (Debate) –द्वितीय लोकडाउन कितना कारगर

ग्रीष्मावकाश गृह–कार्य

1–अनुच्छेद लेखन :

क–सांप्रदायिक एकता की आवश्यकता

ख–स्वच्छ भारत अभियान

ग–मानव अस्तित्व के लिए वृक्षारोपण आवश्यक

घ–पराधीन सपनेहुँ सुख नाहि

ङ–आज की भारतीय नारी

2–पाँच विभिन्न विषयों पर संदेश लेखन लिखें।

3–पद–परिचय–संज्ञा,सर्वनाम व विशेषण के दस–दस उदाहरण लिखें।

4–प्रथम सत्रीय परीक्षा का पाठ्यक्रम याद करें।

पोर्टफोलियो हेतु कार्य–

अप्रैल–मई–जून–

- 1 सिक्किम का सामाजिक व सांस्कृतिक अध्ययन पर हिंदी में ब्राशर बनाए।
2. ग्रीष्मावकाश कार्य करें।

कक्षा परीक्षा –

क्षितिज (गद्य खण्ड)

पाठ 12 – लखनवी अंदाज़ – यशपाल

(काव्य –खण्ड)

पाठ 7– छाया मत छूना –गिरिजाकुमार माथुर

व्याकरण –

1. पद–परिचय
2. विज्ञापन
3. संदेश –लेखन

• आशु भाषन

पोर्टफोलियो हेतु कार्य–

जुलाई–

1–‘दंतमंजन’ एवं ‘हस्तकला प्रदर्शनी’ पर विज्ञापन बनाएँ।

2–‘मीडिया की भूमिका’ एवं ‘बदलती जीवन शैली’ पर 200–250 शब्दों में अनुच्छेद लिखें।

द्वितीय सत्रीय परीक्षा

क्षितिज (गद्य खण्ड)

पाठ 13 – मानवीय करुणा की दिव्य चमक – सर्वेश्वरदयाल सक्सेना

पाठ 14 एक कहानी यह भी – मन्नू भंडारी
(काव्य-खण्ड)

पाठ 5 उत्साह, अट नहीं रही है – सूर्यकांत त्रिपाठी निराला

पाठ 6– यह दंतुरित मुस्कान,

फसल – नागार्जुन

कृतिका –

पाठ 2 जॉर्ज पंचम की नाक – कमलेश्वर

पाठ 1 माता का आँचल-शिवपूजन सहाय

व्याकरण – 1. पद-परिचय

2. रचना के आधार पर वाक्य भेद

3. वाच्य

❖ अनुच्छेद-लेखन, पत्र-लेखन, विज्ञापन, संदेश लेखन अपठित गद्यांश, अपठित पद्यांश।

विशेष- प्रथम सत्रीय परीक्षा व कक्षा परीक्षा का समस्त पाठ्यक्रम द्वितीय सत्रीय परीक्षा में भी आएगा।

पोर्टफोलियो हेतु कार्य-

अगस्त-

1-‘मैडिकल स्टोर’ एवं ‘नम्बर वन एकेडमी’ पर विज्ञापन बनाएँ।

2-‘युवा पीढ़ी के समक्ष चुनौतियाँ’ एवं ‘बिना विचारे जो करे सो पाछे पछताये’ पर 200-250 शब्दों में अनुच्छेद लिखें।

3-स्वरचित कविता लिखें व सुनाए।

Preboard Exam

क्षितिज (गद्य खंड)

पाठ 16 नौबतखाने में इबादत- यतींद्र मिश्र

(काव्य खंड)

पाठ -2 राम-लक्ष्मण परशुराम संवाद- तुलसीदास

पाठ -8 कन्यादान- ऋतुराज

पाठ 9 संगतकार – मंगलेश डबराल

कृतिका –

पाठ 3 साना साना हाथ जोड़ि – मधु कांकरिया

व्याकरण – रस

पद-परिचय

रचना के आधार पर वाक्य भेद

वाच्य

लेखन-विज्ञापन, अनुच्छेद, संदेश, पत्र

अपठित गद्यांश

अपठित पद्यांश

पोर्टफोलियो हेतु कार्य-

अक्टूबर –

1-‘वाशिंग पाउडर’ एवं ‘कलम’ पर विज्ञापन बनाएँ।

2-‘आज की बचत, कल का सुख’ एवं ‘परिवार में बढ़ती दूरियाँ’ पर 200-250 शब्दों में अनुच्छेद लिखें।

विशेष – Preboard में –PT-1, PT-2, CT का संपूर्ण पाठ्यक्रम आएगा एवं वार्षिक परीक्षा में PT-1, CT, PT-2 व

Preboard का भी संपूर्ण पाठ्यक्रम आएगा।

Syllabus – 2021-22
Subject – Mathematics
CLASS-X

Book list

- (i) Mathematics Text Book For class X – N.C.E.R.T.
(ii) Exemplar Problems – N.C.E.R.T

Periodic Assessment – 1

Chapter-3 Pair of Linear Equation In Two Variable
A

Summer Vacation Assignment

1. PROJECT – ART INTEGRATED PROJECT BASED ON SIKKIM
2. Assignment based on chapters- 2,3,4 , 14,15

Class – Test

Chapter-2 Polynomials
Chapter- 14 Statistics

Periodic Assessment –2

Chapter-4 Quadratic Equations
Chapter-8 Introduction to Trigonometry
Chapter-9 Some Applications of Trigonometry
Chapter-6 Similar Triangles
Chapter-11 Constructions
Chapter-15 Probability

Maths-Lab Activities:

1. To obtain the conditions for consistency for the system of linear equations in two variables.
2. ART INTEGRATED ACTIVITY BASED ON THE SYLLABUS

Note: Full syllabus of the Periodic Assessment 1 will be assessed in the Periodic Assessment –2

Pre Board

Chapter-1 Real Numbers
Chapter-5 Arithmetic Progression
Chapter-10 Circles
Chapter- 7 Coordinate Geometry
Chapter-12 Area related to circles
Chapter-13 Surface Areas and Volume

Maths-Lab Activities:

1. To verify experimentally that length of tangents drawn from an external point to a circle are equal.
2. To study the distance between the different points of geometrical figure when it is displaced or rotated.
3. PORTFOLIO

Final Examination

Note : Full syllabus of Periodic Assessment 1, 2 and Pre Board will be included in Pre Board and Examination.

Syllabus (2021–22)

Class : X

Subject : Science

Book List

1. Textbook of Science Class X

2. JPH Science Lab Manual Class –X

Publisher

N.C.E.R.T.

Jiwan Publishing House (Pvt. Ltd.)

Periodic Assessment – 1

Chapter: 1 Chemical reactions and equations

Chapter: 12 Electricity

Chapter: 6 Life Processes

Summer Vacation Assignment

(i) Worksheet on Electricity

(ii) Read & learn the above topics

(iii) Portfolio – Write about the life and the work of scientists in the field of Physics, Chemistry and Biology (one each)

Class –Test

Chapter: 13 Magnetic effect of current

Chapter: 2 Acids, bases and salts

Chapter: 7 Control and Coordination

Periodic Assessment – 2

Chapter: 3 Metals and non-metals

Chapter: 8 How do organisms reproduce

Note : Full syllabus of Periodic Assessment 1 and class test will be assessed in periodic assessment 2.

Pre– Board Exam

Chapter: 10 Light : Reflection and Refraction

Chapter : 4 Carbon and its compounds

Chapter: 9 Heredity and Evolution

Chapter :11 Human eye and colourful world

Chapter: 5 Periodic classification of elements

Chapter: 14 Sources of Energy

Chapter: 15 Our Environment

Chapter :16 Sustainable Management of Natural Resources

Portfolio activities :–

1. Discuss three defects in human eye (definition ,diagram, causes, corrective measures)

(a) Take interview of minimum six people of different age groups and try to find out what type of defects they are having .

(b) Format of interview sheet is as follows :–

- Name
- Age
- Sex
- Problem in vision

- Use spectacles or lens
- Power of spectacles or lens
- Conclusion (the person is suffering from)

(c) Write common conclusion of all the interviews

2. Draw the structure of first five members of following :-

- Alkanes
- Alkenes
- Alkynes
- Alcohol
- Aldehyde
- Carboxylic acid

Also write molecular formulae and IUPAC name of each.

3. To draw flow charts for the following pathways /mechanisms

- Oxidation of glucose in aerobic and anaerobic conditions
- Blood circulation through human heart
- Reflex pathway
- General mechanism of sexual reproduction
- Sex determination in Humans
- Speciation

Note: Full syllabus of periodic assessment 1 , class test ,periodic assessment- 2 will be assessed in preboard and final examinations.

Winter Vacation Assignment

1. Prepare and practice all the chapters thoroughly
2. Do atleast five sample papers

List of experiments

1. Performing and observing the following reactions and classifying them into :
 a) Combination reaction b) Decomposition reaction c) Displacement reaction d) Double displacement reaction
 (i) Action of water on quick lime
 (ii) Action of heat on ferrous sulphate crystals
 (iii) Iron nails kept in copper sulphate solution
 (iv) Reaction between sodium sulphate and barium chloride solutions
2. Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions :
 a) ZnSO_4 (aq) b) FeSO_4 (aq) c) CuSO_4 (aq) d) $\text{Al}_2(\text{SO}_4)_3$ (aq)
 Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.
3. Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I.
4. Determination of the equivalent resistance of two resistors when connected in series.
5. Determination of the equivalent resistance of two resistors when connected in parallel.

6. Studying the properties of acids and bases (HCl & NaOH) by their reaction with:
 - a) Litmus solution (Blue/Red)
 - b) Zinc metal
 - c) Solid sodium carbonate
7. Finding the pH of the following samples by using pH paper / universal indicator:
 - a) Dilute Hydrochloric Acid
 - b) Dilute NaOH solution
 - c) Dilute Ethanoic Acid Solution
 - d) Lemon juice
 - e) Water
 - f) Dilute Sodium Hydrogen Carbonate solution
8. Determination of the focal length of : i) Concave mirror ii) Convex lens by obtaining the image of a distant object.
9. Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result.
10. Finding the image distance for varying object distances in case of a convex lens and drawing corresponding ray diagrams to show the nature of image formed.
11. Tracing the path of the rays of light through a glass prism.
12. Study the following properties of acetic acid (ethanoic acid) :
 - i) odour
 - ii) solubility in water
 - iii) effect on litmus
 - iv) reaction with sodium hydrogen carbonate.
13. Study of the comparative cleaning capacity of a sample of soap in soft and hard water.
14. Preparing a temporary mount of a leaf peel to show stomata.
15. Experimentally show that carbon dioxide is given out during respiration.
16. Studying (a) binary fission in Amoeba, and (b) budding in yeast with the help of prepared slides.
17. Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).

SYLLABUS – 2021-22
SUBJECT- SOCIAL SCIENCE

CLASS – X

Book list:

- | | |
|--|------------|
| ● History: India and the contemporary world—(II) | N.C.E.R.T. |
| ● Geography: Contemporary India —(II) | N.C.E.R.T. |
| ● Political Science: Democratic Politics—(II) | N.C.E.R.T. |
| ● Economics: Understanding Economic Development—(II) | N.C.E.R.T. |

Periodic Assessment -1

HISTORY

LESSON 2- Nationalism in India (Pg-29 to 37)

GEOGRAPHY

LESSON 1 – Resources and Development

POLITICAL SCIENCE

LESSON-1.Power Sharing.

ECONOMICS

LESSON-1.Development.(Pg-3 to 8)

LESSON-5.Consumer Rights. (To be done through project only)

Portfolio Activity:

ECONOMICS: On A4 sheet draw and label the various stages of development of any working individual.

HISTORY: Draw a neat flow chart of Non Cooperation and Civil Disobedience Movements.

GEOGRAPHY: Make a poster on Sustainable Development Goals.

SUMMER VACATION HOMEWORK:

PROJECT:

Any one of the following topics:

2. Sustainable Development (Geography)
3. Social Issues (Political Science)
4. Consumer Rights (Economics)

Class Test 1

HISTORY

LESSON 2- Nationalism in India (Pg-38 to 49)

GEOGRAPHY

LESSON-2 Forest and Wildlife (to be assessed in periodic and will not be evaluated in board examination)

POLITICAL SCIENCE

LESSON 2- Federalism

ECONOMICS

LESSON-1 Development (Pg 9 to16)

Periodic Assessment -2

HISTORY

LESSON 1- Nationalism in Europe

LESSON 4- The Age of Industrialization

GEOGRAPHY

LESSON 3 - WATER RESOURCES (to be assessed in periodic and will not be evaluated in board examination)

LESSON 4 – AGRICULTURE

LESSON 5 – MINERALS

Political Science

LESSON-3 Democracy and Diversity (to be assessed in periodic and will not be evaluated in board examination)

LESSON-4 Gender, Religion and Caste

LESSON-5 Popular struggles and movements

ECONOMICS

LESSON-2. Sectors of Indian Economy.

LESSON-3. Money and Credit.

Portfolio Activity:

ECONOMICS: On A4 sheets show the classifications of different sectors based on ACTIVITIES, OWNERSHIP and EMPLOYMENT. Support your work with pictures and also label them.

POLITICAL SCIENCE: “Gender inequality is an evil that plagues the society in India even today”. Make a chart (A-3) showing the main cause of discrimination faced by the girl child till today.

GEOGRAPHY: Make a flow chart on A4 sheet on the need for Sustainable development.

Pre-Boards

HISTORY

LESSON-5 Print Culture

GEOGRAPHY

LESSON 6 – MANUFACTURING INDUSTRIES

LESSON 7 – LIFELINES OF NATIONAL ECONOMY

POLITICAL SCIENCE

LESSON- 6 Political Parties

LESSON-7 Outcomes of Democracy

LESSON-8 Challenges to Democracy (to be assessed in periodic and will not be evaluated in board examination)

ECONOMICS

LESSON-4 Globalisation

Portfolio Activity:

ECONOMICS: " Globalization in present day: BOON or CURSE". Write your ideas on the given topic in not more than 250 words. Make work presentable with the help of pictures.

GEOGRAPHY: Write a short note in 250 words on the importance of Sustainable Development.

POLITICAL SCIENCE: "Form a brochure of your POLITICAL PARTIES for the purpose of elections indicating:
1. Party name, 2. Symbol, 3. Manifest

Note: - Full Syllabus of Periodic Assessment 1& 2 will be assessed in Pre boards.

*** Full Syllabus of Periodic Assessment 1, 2& Pre boards will be assessed in the Final Board Examination**