

NILGIRI HILLS PUBLIC SCHOOL

ANNUAL SYLLABUS (2023-24)

CLASS-IX

ENGLISH

April ●

BEEHIVE- CH.1 The Fun They Had

MOMENTS- CH.1 Lost Child

GRAMMAR- Sentences

Language lab- Sentences

May\*

BEEHIVE- The Road Not Taken (Poem 1)

MOMENTS- CH.2 Adventure Of Toto

GRAMMAR- Tenses

Language lab- Tenses

English Activity: Speech on Maharana Pratap and Rabindra Nath Tagore

July ●

BEEHIVE- CH.2 The Sound Of Music

CH.3 The Little Girl

Wind (Poem 2)

MOMENTS- CH.3 Iswaran The Storyteller

WRITING-Letter to Editor

Descriptive Paragraph

Language Lab: Tenses

● Periodic Test-1

● Syllabus: Comprehension Passage, The Fun They Had, The Road Not Taken, The Lost Child, Tenses, Letter to editor

August ●

BEEHIVE- CH.4 A Truly Beautiful Mind

Rain On The Roof (Poem3)

MOMENTS- CH.4 In The Kingdom Of Fools

GRAMMAR-Modals

WRITING- Diary Entry

Language Lab: Modals

September ●

BEEHIVE- CH.5 The Snake And The Mirror

The Lake Of Innisfree (Poem 4)

MOMENTS- CH. 5 The Happy Prince

GRAMMAR- Subject-Verb Concord

Activity: Asl

● HALF YEARLY EXAMS

( Syllabus covered till September as mentioned above)

October ●

BEEHIVE- CH.6 My Childhood

                    A Legend Of The Northland (Poem 5)

MOMENTS- CH. 6 The Last Leaf

GRAMMAR- Direct-Indirect/ Reported Speech

Determiners

Language Lab: Reported Speech

November ●

BEEHIVE-CH. 7 Reach For The Top

                    No Men Are Foreign (Poem 6)

MOMENTS-CH. 7 A House Is Not A Home

WRITING● Story Writing

Language lab- Determiners

● Periodic Test-2

● Syllabus: Comprehension, My Childhood, The Last Leaf, A Legend Of The Northland, Direct/Indirect, Diary Entry

December\*

BEEHIVE- CH. 8 Kathmandu

                    CH. 9 If I Were You

                    On Killing A Tree( Poem 7)

MOMENTS- CH.8 The Beggar

Recapitulation (CH- 6)

● Revision

● Language Lab:Grammar

Revision

January ● A Slumber Did My Spirit Seal (Poem 8)

Recapitulation (CH. 6 & 7)

Recapitulation (CH -7 & 8) ● Revision

● Activity: Asl

February Recapitulation- (CH - 8 & 9)

FINAL EXAMINATION

SYLLABUS- Whole syllabus

कक्षा IX (2023-24)

हिंदी

|          |         |   |
|----------|---------|---|
| अप्रैल - | क्षितिज | पाठ 1 दो बैलों की कथा<br>पाठ 7 साखियाँ और सबद |
|          | व्याकरण | उपसर्ग, प्रत्यय                               |
| मई -     | व्याकरण | पाठ 2 ल्हासा की ओर                            |
|          | कृतिका  | पाठ 1 इस जल प्रलय में                         |
| जुलाई -  | क्षितिज | पाठ 8 वाख<br>पाठ 9 सवैये                      |
|          | व्याकरण | लघुकथा लेखन, अर्थ के आधार पर वाक्य भेद        |

|                   |         |   |
|-------------------|---------|---|
| आवधिक परीक्षा I - | क्षितिज | पाठ 1 दो बैलों की कथा<br>पाठ 7 साखियाँ और सबद |
|                   | कृतिका  | पाठ 1 इस जल प्रलय में                         |
|                   | व्याकरण | उपसर्ग, प्रत्यय                               |

|           |         |   |
|-----------|---------|---|
| अगस्त -   | क्षितिज | पाठ 3 उपभोक्तावाद की संस्कृति<br>पाठ 10 कैदी और कोकिला  |
|           | कृतिका  | पाठ 2 मेरे संग की औरतें   |
|           | व्याकरण | समास, ई-मेल   |
| सितम्बर - | व्याकरण | संवाद लेखन, पत्र लेखन (अनौपचारिक), अनुच्छेद लेखन<br>पाठों की पुनरावृत्ति<br>क्रिया कलाप - श्रवण व वाचन कौशल (ASL) |

|                     |  |
|---------------------|--|
| अर्धवार्षिक परीक्षा | क्षितिज - पाठ 1, 2, 3, 7 से 10<br>कृतिका - पाठ 1, 2<br>व्याकरण - उपसर्ग, प्रत्यय, समास, वाक्य भेद, पत्र लेखन (अनौपचारिक) ,<br>अनुच्छेद लेखन , अपठित गद्यांश, अपठित काव्यांश, ई-मेल, संवाद लेखन |
|---------------------|--|

|           |                                |  |
|-----------|--------------------------------|--|
| अक्टूबर - | क्षितिज                        | पाठ 4 साँवले सपनों की याद<br>पाठ 11 ग्राम श्री               |
|           | व्याकरण                        | अलंकार (शब्दालंकार-अनुप्रास, यमक और अर्थालंकार - उपमा, रूपक) |
| नवंबर -   | क्षितिज                        | पाठ 5 प्रेमचंद के फटे जूते<br>पाठ 12 मेघ आए                  |
|           | व्याकरण                        | सूचना लेखन   |
|           | पुनरावृत्ति - व्याकरण - अलंकार |  |

|                    |  |  |
|--------------------|--|--|
| आवधिक परीक्षा II - | क्षितिज  | पाठ 4 साँवले सपनों की याद<br>पाठ 11 ग्राम श्री |
|                    | व्याकरण - अलंकार (शब्दालंकार-अनुप्रास, यमक और अर्थालंकार - उपमा, रूपक) |  |

MATHS

April

Ch 1 Number System

Ch 2 Polynomials

LAB MANUAL ACTIVITY 1: To verify the identity  $a^3-b^3=(a-b)(a^2+ab+b^2)$ .

LAB MANUAL ACTIVITY 2: To obtain the line segment corresponding to the square root of natu

May

Ch 3 Coordinate geometry

LAB MANUAL ACTIVITY 3: Polynomials (To factories Polynomials of type by splitting the middle term

July

Ch 4 Linear equation in two variables

Ch 5 Introduction to Euclid Geometry

LAB ACTIVITY: Representation of linear equation on graph paper.

Periodic Test-1 - (Ch 1 & Ch 2)

August

Ch 6 Lines and Angles

Ch 7 Triangles

LAB MANUAL ACTIVITY 4: Area of triangle.

September

Ch 12 Heron's Formula

Maths Practical and Portfolio Submission date 5-9-2022

Half yearly examination

(Ch 1,2,3,4,5,6,7,12)

October

Ch 8 Quadrilateral

Ch 13 Surface area

LAB MANUAL ACTIVITY 5: Mid point theorem

November

Ch 13 Surface Area and Volume

Ch 10 Circles

LAB MANUAL ACTIVITY 6: Area of circle

Periodic test II (CH 10 & Ch 13)

Recapitulation of Surface areas of 3 D shapes and Volume of 3 D shapes. )

December

Ch 14 Statistics

LAB MANUAL ACTIVITY 7: TO verify Euler formula.

LAB MANUAL ACTIVITY 8: To explore criteria of congrancy of triangles.

January

Recapitulation of Number System ,Quadrilateral and Triangles .

LAB MANUAL FILE & PORTFOLIO Submission date 22-1-2024.

February

Recapitulation of Polynomials, lines and angles, surface area and volumes,Quadrilateral and Heron'sFormula.

Maths practical

Final examination

## SCIENCE

**April**

**Chemistry**- Ch – 1 Matter in our Surroundings

**Biology**- Ch - 5 Cell ; The FundamentalUnit of Life

1.Lab Manual activity-

Preparation of stained temporary mounts of

(a) Onion peel(b) Human cheek cells

To record observations and draw their labelled diagrams

**Physics** -Ch – 8 Motion( till Uniform Motion)

**May**

**Physics**- Ch -8 Motion (2<sup>nd</sup> half )

**July**

**Chemistry** Ch-2 Is Matter Around UsPure

**Biology**- Ch 6 Tissues

2. Lab Manual activity-

Identification of Parenchyma, collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibres and nerve cells in animals, from prepared slides. Draw their labelled diagrams

**Periodic Test- 1**- Ch-1, Ch-5 , Ch-8( except Graphical Representation)

**August-**

**Chemistry**

Ch 3- Atoms and Molecules

**Physics**

Ch 9Force and Laws of Motion

**Biology**

Ch -15 Improvement in food Resources

3.Lab manual activity

Preparation of:

- a) A true solution of common salt, sugar and alum
- b) A suspension of soil, chalk powder and fine sand in water
- c) A colloidal solution of starch in water and egg albumin/milkin water and distinguish between these on the basis of transparency filtration criterion stability

**September**

Recapitulation of Half Yearly Syllabus

**Half Yearly Exams**

Ch -1,2,3,5,6,8,9

**October**

**Chemistry-**

Ch 4 Structure-of the Atom Physics Ch -10 Gravitation

4.Lab manual activity

1.Establishing the relation between the loss in weight of a solid when fully immersed in

- a) Tap water
- b) Strongly salty water with the weight of water displaced by itby taking at least two differen

**November**

**Physics** Ch 11 – Work-and Energy

**Physics** Ch-14 Natural Resources

5.Lab manual activity

Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.

**Periodic Test-2** - Ch-4,Ch-10, Ch-15

## **December**

**Physics** Ch-12 Sound

6..Lab manual activity

Determination of the speed of a pulse propagated through a stretched string/slinky (helical spring)

## **January**

**(Recapitulation- Chapter-4& Chapter-10)**

**Final Examination** ( Full Syllabus)

## **April:History**

Ch-1 French RevolutionGeography

Ch-1 India Size And LocationDemocratic Politics

Ch-1 What Is Democracy? Why Democracy?

Economics

Ch-1 The Story of Village Palampur

## **May:History**

Ch-1 French RevolutionGeographyCh-2 Physical Features OfIndiaDemocratic PoliticsCh-2

Constitutional DesignEconomicsCh-1 Story Of Village Palampur(continued...)

**July:History**Ch-1 French RevolutionDemocratic PoliticsCh-2 Constitutional

DesignEconomicsCh-2 People As Resource

Geography

Ch-3 DrainageRecapitulation- 1. Discussion And Doubts Clearance On

A. What Is Democracy? Why Democracy?B. French Revolution

C. Story Of Village Palampur D. Physical Features Of India

Map Activity Of Geography( Physical Features Of India, Drainage)Periodic Test 1

(25/07/2023)Syllabus (History Ch-1 French Revolution (Half) ,Economics Ch-1 The Story

Of VillagePalampur, Democratic Politics Ch-1 What Is Democracy And Why Democracy,  
Geography Ch-1India size and Location)

**August:History**Ch-2 Socialism In Europe And Russian Revolution

Democratic PoliticsCh-3 Electoral Politics

EconomicsCh-2 People As Resource ( Continued...)

GeographyCh-4 ClimateActivity- Slide Show On French Revolution

## **September:History**

Ch-2 Socialism in Europe and Russian Revolution (continued)

Ch-3 Nazism And The Rise Of HitlerDemocratic PoliticsCh-4 Working Of Institutions

EconomicsCh-3 Poverty As Challenge

GeographyCh-5 Natural Vegetation And Wildlife

Recapitulation- Discussion and doubts On Socialism In Europe,People As Resource,  
Electoral Politics, Climate

Half Yearly Exams (20/9/2023)

Syllabus (History Ch-1 and Ch-2,Geography Ch- 1, 2,and 3 Economics Ch-1 and Ch. 2

Democratic PoliticsCh- 1 and Ch. 2)

**October:History**Ch-3 - Nazism And The Rise Of Hitler(Continued...)  
Democratic PoliticsCh-

4 Working Of InstitutionsEconomicsCh-3 Poverty

As a Challenge(Continued...)  
GeographyCh-5 Natural Vegetation And Wildlife(Continued...)

Ch-6 Population Activity On Nazism And The Rise Of Hitler

**November:** History Ch-4 Forest Society And Colonialism Democratic Politics Ch-5 Democratic Rights Economics Ch-4 Food security in India Geography Ch-6 Population (Continued...) Activity On Working Of Institutions Periodic Test 2 (28-11-2023) ( History Ch- 3, Economics Ch-3, Geography Ch-3, Democratic Politics Ch-3)

## **December**

History- Ch-4 Forest Society And Colonialism (Continued..) Democratic Politics Ch-5 Democratic Rights (Continued...) Economics

Ch4 Food security in India (Continued...) Geography Ch-6 Population Activity On Democratic Rights

## **January**

History

Ch-5 Pastoralists In The Modern World Democratic Politics

Recapitulation of Ch-4 and ch-5

Economics

Recapitulation of Ch-3 and ch-4 Geography- Recapitulation Of Ch- 5 And 6 **February** History- Recapitulation Of Ch- 3 And 4 Democratic Politics- Ch- 1, 2 and 3 Geography- Ch- 1, 2 and 3 Economics- Ch- 1 And 2 Final Examination (23rd Feb, 2024 Onwards) Full Syllabus

## **Map Work**

History ( European Countries) To Be Done In The Middle Of The Session The French Revolution Outline Political Map Of France (For Locating And Labeling / Identification) Bordeaux Nantes Paris Marseilles

Chapter-2: Socialism In Europe And The Russian Revolution Outline Political Map Of World (For Locating And Labeling / Identification) Major Countries Of First World War (Central Powers And Allied Powers) Central Powers - Germany, Austria-Hungary, Turkey (Ottoman Empire) Allied Powers - France, England, Russia, U.S.A.

Chapter-3: Nazism And Rise Of Hitler Outline Political Map Of World (For Locating And Labeling / Identification) Major Countries Of Second World War Axis Powers – Germany, Italy, Japan Allied Powers – UK, France, Former USSR, USA Territories Under German Expansion Geography (Outline Political Map Of India) Map Work

Chapter -1: India-Size And Location India-States With Capitals, Tropic Of Cancer, Standard Meridian (Location and Labelling)

Chapter -2: Physical Features Of India Mountain Ranges: The Karakoram, The Zasker, The Shivalik, The Aravali, The Vindhya, The Satpura, Western & Eastern Ghats Mountain Peaks – K2, Kanchan Junga, Anai Mudi Plateau – Deccan Plateau, Chotta Nagpur Plateau, Malwa Plateau Coastal Plains – Konkan, Malabar, Coromandal & Northern Circar (Location And Labelling)

Chapter -3: Drainage Rivers: (Identification Only) The Himalayan River Systems-The Indus, The Ganges, And The Satluj The Peninsular Rivers-The Narmada, The Tapi, The Kaveri, The Krishna, The Godavari, The Mahanadi Lakes: Wular, Pulicat, Sambhar, Chilika

Chapter – 4: Climate Areas Receiving Rainfall Less Than 20 Cm And Over 400 Cm (Identification Only) Chapter – 5: Natural Vegetation And Wild Life Vegetation Type: Tropical Evergreen Forest, Tropical Deciduous Forest, Thorn Forest, Montane Forests And Mangrove- For Identification Only National Parks: Corbett, Kaziranga, Ranthambor, Shivpuri, Kanha, Simlipal & Manas Bird Sanctuaries: Bharatpur And Ranganthitto Wild Life Sanctuaries: Sariska, Mudumalai, Rajaji, Dachigam (Location And Labelling) Chapter – 6: Population (Location And Labelling) The State Having Highest And Lowest Density Of Population

## ARTIFICIAL INTELLIGENCE

### **April**

Unit-1 Introduction To Artificial Intelligence (Part -B)...Continue

### **May**

Unit-1 Introduction To Artificial Intelligence (Part -B)

### **July**

**Unit-2 Self Management Skills-I**

**Unit-2 AI Project Cycle...Continue (Part-B)**

**PT-1 (Unit-2 Part-A Unit-1 Part B)**

### **August**

Unit-2 AI Project Cycle (Part B)

Unit-1 Communication Skills-I (Part -A) (Internal Assessment)

### **September**

Revision-Unit-1 & 2 (Part -B) Unit-2 & 3 (Part-A)

### **Term-1**

**Ch-2 & 3 (Part -A) Ch-1 & 2 (Part-B)**

### **October**

Unit-3 Neural Network (Part B)

Unit-4 Unit-3 ICT Skills (Part-A)

### **November**

**UT-2 (Unit-3 Part B)**

Unit-4 Introduction to Python (Part-B).....continue

### **December**

Unit-4 Introduction to Python (Part-B)

Unit-4

### **January**

**Unit-4 Entrepreneurial skills (Part -A)**

Unit-5 Green Skills (Part-A) (Internal Assessment)

### **February**

Final Examination

Part A (Unit 2-4)

Part B (Unit 1-4)