Bal Bharati PUBLIC SCHOOL

(An Institution of the Child Education Society (Regd.), New Delhi)

NTPC Darlipali, Odisha

SYLLABUS

APRIL TO MARCH (SESSION 2022-23)

Class – IX

ENGLISH

Beehive – Textbook in English (NCERT)
Moments – Supplementary Reader (NCERT)
Workbook – Words and Expressions 1 (NCERT)
APRIL

Beehive

The Fun They Had (Prose)

The Road Not Taken (Poetry)

Moments

The Lost Child
Grammar
Tenses
S-V agreement

Writing Task
Descriptive writing, Diary Entry

MAY

Beehive
The Sound of Music (Prose)
Wind (Poetry)

JUNE
Beehive
The Little Girl (Prose)
Rain on the Roof (Poetry)
Workbook
Unit 1

JULY
Beehive
A Truly Beautiful Mind (Prose)
The Lake Isle of Innisfree (Poetry)
Moments
The Adventures of Toto
Iswaran the Storyteller
Grammar
Preposition, Modals
Writing Task
Notice writing, Informal letter Writing
Workbook
Unit 2

AUGUST
Beehive
The Snake and the Mirror (Prose)
A Legend of the Northland (Poetry)
Moments
The Kingdom of Fools
Grammar

Determiners
Writing Task
Article Writing, Story writing, Formal Letter writing
Workbook
Unit 3

SEPTEMBER
Beehive
My Childhood (Prose)
No Men are Foreign (Poetry)
Moments
The Happy Prince
Grammar
Sentence reordering
Report Writing
Workbook
Unit 4

OCTOBER
Beehive
Packing (Prose)
The Duck and the Kangroo (Poetry)
Moments
The Last Leaf
Grammar
Reported Speech
Workbook
Unit 5

NOVEMBER
Moments
Weathering the Storm in Ersama

A House is not a Home
Grammar
Clauses
Writing Task
Speech writing
Workbook
Unit 6

DECEMBER
Beehive
Reach for the Top (Prose)
On Killing a Tree (Poetry)
Moments
The Accidental Tourist
Grammar
Conjunction, Passive Voice
Writing
Story Writing based on Visual Inputs
Workbook
Unit 7

JANUARY
Beehive
The Bond of Love (Prose)
The Snake Trying (Poetry)
Kathmandu (Prose)
A Slumber did my Spirit Seal (Poetry)
Writing
Debate Writing
Workbook
Unit 8 & 9

FEBRUARY
Beehive
If I Were You (Play)
Moments
The Beggar
Workbook
Unit 10 & 11

MARCH
Annual Examination

हिंदी

1-स्पर्श १- भाग :
2-संचयन: भाग १-
3-व्याकरण कुंज ९-

सत्र १-

अप्रैल - मई

स्पर्श भाग -१-

पाठ -धूल

संचयन भाग -१,

पाठ -गिल्लू

व्याकरण-

शब्द और पद

जून – जुलाई

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स्पर्श भाग -1-

पाठ -अब कैसे छूटे राम नाम

पाठ- ऐसी लाल तुझ बिन

संचयन भाग -1,

पाठ -स्मृति

व्याकरण-

अनुस्वार

अनुनासिक

उपसर्ग

प्रत्यय

अगस्त

स्पर्श भाग -1

पाठ -एवरेस्ट :मेरी शिखर यात्रा

पाठ -रहीम के दोहे

संचयन भाग -1

पाठ -कल्लू कुम्हार की उनाकोटी

व्याकरण-

शब्द विचार

सुतिसमभिन्नार्थक शब्द

पर्यायवाची ,विलोम

सितम्बर (सत्र-१ परीक्षा)

<div align="center">

सत्र -२

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अक्टूबर

स्पर्श भाग -१-

पाठ -अतिथि तुम कब जाओगे

पाठ -आदमी नामा

संचयन भाग -१

पाठ -मेरा छोटा -सा -निजी पुस्तकालय

व्याकरण-

अर्थ की दृष्टी से वाक्य भेद

नवम्बर

स्पर्श भाग -१

पाठ -वैज्ञानिक चेतना के वाहक चंद्रशेखर वेंकट रमण

पाठ -एक फूल की चाह

संचयन भाग -१

पाठ -हामिद खां

व्याकरण

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पत्र लेखन

दिसम्बर

स्पर्श भाग -१

पाठ -कीचड़ का काव्य

पाठ -गीत -अगीत

संचयन भाग -१

पाठ -दिए जल उठे

व्याकरण-

सत्र-१ पुनरावृत्ति

जनवरी

स्पर्श भाग -१

पाठ -धर्म की आड़

पाठ-अग्नि पथ

संचयन भाग -१

पुनरावृत्ति सत्र-१

व्याकरण—

सत्र-१ पुनरावृत्ति

फरवरी

स्पर्श भाग -१-

पाठ -शुक्रतारे के सामान ,

पाठ -नए इलाके में

पाठ-खुशबू रचते हैं हाथ

संचयन भाग -१

 पुनरावृत्ति सत्र-१,२

व्याकरण-

 सत्र-१ पुनरावृत्ति

मार्च

पुनरावृत्ति -

MATHEMATICS

**Textbook: Mathematics for class – IX by N.C.E.R.T.
Reference book: Mathematics Exemplar Problem of class- IX
by N.C.E.R.T**

APRIL	**Unit – I NUMBER SYSTEMS** **Chapter 1 : REAL NUMBERS** **-**Number line -Terminating / non-terminating recurring decimals -Existence of non-rational numbers -Definition of nth root of a real number. -Rationalization

-Recall of laws of exponents with integral powers

Unit – II ALGEBRA

Chapter 2 : Polynomials

-Definition of a polynomial in one variable
-Examples and counter examples.
-Coefficients of a polynomial
-Terms of a polynomial and zero polynomial.
-Degree of a polynomial..

MAY	**Chapter 2 : Polynomials (contd.)** -Constant, linear, quadratic and cubic polynomials. -Monomials, binomials, trinomials. -Factors and multiples. -Zeros of a polynomial. -Remainder Theorem with examples. Statement and proof of the Factor Theorem. -Factorization of $ax2 + bx + c$, $a \neq 0$
JUNE	-Cubic polynomials using the Factor Theorem

Chapter 4 : LINEAR EQUATIONS IN TWO VARIABLES
-Recall of linear equations in one variable.
-Introduction to the equation in two variables.
-Linear equations of the type $ax+by+c=0$.
-Linear equation in two variables has infinitely many solutions
-Problems from real life

JULY	**UNIT III: COORDINATE GEOMETRY** **Chapter 3: Coordinate Geometry** -The Cartesian plane -Coordinates of a point -Names and terms associated with the coordinate plane -Plotting points in the plane.
AUGUST	**UNIT IV: GEOMETRY** **Chapter 5: INTRODUCTION TO EUCLID'S GEOMETRY** -Introduction -Euclid's Definitions, Axioms and Postulates -Equivalent Versions of Euclid's Fifth Postulate -Summary **Chapter 6: LINES AND ANGLES** -Introduction -Basic Terms and Definitions -Intersecting Lines and Non-intersecting Lines -Pairs of Angles 92 6.5 Parallel Lines and a Transversal -Lines Parallel to the same Line -Angle Sum Property of a Triangle -Summary
SEPTEMBER	**Chapter 7: TRIANGLES** -Introduction -Congruence of Triangles -Criteria for Congruence of Triangles

-Circle through Three Points
-Equal Chords and their Distances from the Centre
-Angle Subtended by an Arc of a Circle
-Cyclic Quadrilaterals

DECEMBER   **Chapter 11: CONSTRUCTIONS**
-Introduction
-Basic Constructions
-Some Constructions of Triangles

UNIT V: MENSURATION

Chapter 12: HERON'S FORMULA
-Introduction
-Area of a Triangle – by Heron's Formula
-Application of Heron's Formula in finding Areas of Quadrilaterals

JANUARY   **Chapter 13 : SURFACEAREAS AND VOLUMES**
-Introduction
-Surface Area of a Cuboid and a Cube
-Surface Area of a Right Circular Cylinder
-Surface Area of a Right Circular Cone
-Surface Area of a Sphere
-Volume of a Cuboid
-Volume of a Cylinder Volume of a Right Circular Cone
-Volume of a Sphere

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Chapter 14: STATISTICS

-Introduction
-Collection of Data
-Representation of Data
-Measures of Central Tendency

FEBRUARY   **Chapter 15 : PROBABILITY**
- Introduction
- Probability – an Experimental
- Summary

MARCH
Annual Examination

GENERAL SCIENCE

Prescribed Text Book :-NCERT SCIENCE-IX

APRIL

Chapter-1   Matter in our surroundings

Chapter-5   The fundamental unit of life
Chapter-8   Motion

MAY – JUNE

Chapter-2   Is Matter Around Us Pure?

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Chapter-9   Force and Laws of Motion

JULY
Chapter-6   Tissues (To be contd…..)
Chapter-3   Atoms and Molecules (To be contd….)
Chapter-10   Gravitation (To be contd….)

AUGUST
Chapter-3   Atoms and Molecules
Chapter-10   Gravitation
Chapter-6   Tissues

SEPTEMBER
Revision for Mid-
Term Test

OCTOBER
Chapter-11   Work and Energy(To be contd….)
Chapter-4   Structure of the atom (To be contd……)
Chapter-15   Improvement in Food Resources

NOVEMBER
Chapter-4   Structure of the atom

Chapter-11   Work & Energy
Chapter-7   Diversity In Living Organisms

DECEMBER

Chapter-12	Sound(To be contd…)
Chapter-14	Natural Resources

JANUARY
Chapter-12	Sound
Chapter-13	Why Do We Fall Ill?
Chapter-7	Diversity In Living Organisms

FEBRUARY
Revision

MARCH   Annual Examination

PRACTICALS

TERM-I LIST OF EXPERIMENTS

1. 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/milk in water and distinguish between these on the basis of

• transparency

• filtration criterion

• stability

2. Preparation of

a) A mixture

b) A compound using iron filings and sulphur powder and distinguishing between these on the basis of:

i. appearance, i.e., homogeneity and heterogeneity

ii. behaviour towards a magnet

iii. behaviour towards carbon disulphide as a solvent

iv. effect of heat

3. Perform the following reactions and classify them as physical or chemical changes

a) Iron with copper sulphate solution in water

b) Burning of magnesium ribbon in air

c) Zinc with dilute sulphuric acid

d) Heating of copper sulphate crystals

e) Sodium sulphate with barium chloride in the form of their solutions in water.

4. Preparation of stained temporary mounts of

(a) onion peel,

(b) human cheek cells & to record observations and draw their labeled diagrams.

5. Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped,smooth and cardiac muscle fibers and

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nerve cells in animals, from prepared slides. Draw their labeled diagrams.

TERM-II

LIST OF EXPERIMENTS

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

measuring cylinder.

2. 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 it by taking at least two

different solids.

3. Verification of the law of conservation of mass in a chemical reaction.

SOCIAL STUDIES

Prescribed Text Book:-
History- India and the Contemporary World – I
Geography - Contemporary India – I
Civics- Democratic Politics – I
Economics
Publisher: NCERT

APRIL

Political Science: Chapter 1. What is Democracy? Why
Democracy?

History: Chapter 1. The French Revolution

                                   Chapter 2 Socialism in Europe and the

Russian Revolution

MAY-JUNE
Economics: Chapter 1. The story of Village
Palampur
Geography: Chapter 1. India: Size and
Location

JULY

History: Chapter 3. Nazism and the Rise
of Hitler

Political Science: Chapter 2. Constitutional
Design

AUGUST

Geography: Chapter 2. Physical features of
India

                                   Chapter 3. Drainage

SEPTEMBER
Economics: Chapter 2. People as
Resource

History: Chapter 4. Livelihoods,
Economies and Societies

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Geography: Chapter 4 Climate

OCTOBER

Political Science: Chapter 3. Electoral Politics
                                Chapter 6. Democratic Rights

History: Chapter 5. Pastoralists in the
Modern World

NOVEMBER
Geography: Chapter 5. Natural Vegetation
and Wildlife
Economics: Chapter 3. Poverty as a challenge

History: Chapter 6. Peasants and Farmers

DECEMBER
History: Chapter 7 History and Sport: The story
of cricket

                                Chapter 8 : Clothing a Social History
Political Science: Chapter 4. Working of Institutions

JANUARY
History
Geography :   Chapter 5. Climate Chapter 6. Population
Economics :   Chapter 4. Food Security in India
Political Science: Chapter 5. Democratic Rights

FEBRUARY
Revision

MARCH
Annual Examination

COMPUTER

Prescribed Text Book – Information Technology by Vikas Gupta

Name of the Publisher – Ratna Sagar

APRIL-MAY
Unit- 1-   Communication Skills

JUNE - JULY
Unit-2-   Self Management Skills

AUGUST
Unit-3 -   Information and Communication Technology Skills

SEPTEMBER - OCTOBER
Unit-4-   Entrepreneurial Skills
Unit-5 -   Green Skills

NOVEMBER
Unit-6-   Introduction of IT-ITeS Industry

DECEMBER
Unit-7-   Data Entry and Keyboarding Skills
Unit-8-   Digital Documentation

JANUARY
Unit-9-   Electronic Spreadsheet

FEBRUARY
Unit-10-   Digital Presentation

MARCH
Annual Examination

DANCE

APRIL & MAY

1   Audition for Dance/Expression

2   Classical Dance Guru Vanadana

3   Bharatnatyam lesson-2 Natta adavu no 1 to 8

JUNE

1   Introduction of Fusion Dance

2   Bharatnatyam lesson-3 Pakka adavu no 1 to 10

3.   Odissi Dance Basic Steps

JULY

1   Introduction of Western dance and Classical dance

2   Group formation of folk dance

3   Difference between Classical and Western dance

AUGUST

1   Patriotic Dance

2   Topics continued

3   Difference between Classical and Western dance

SEPTEMBER

1   Practice

2   Bharatnatyam Item-kritanm

3   Odissi Dance basic steps

OCTOBER

1   An Introduction of famous classical dancers a of India

2   Dusshera break

3   Saraswati Vandana

NOVEMBER

1   Group Dance of folk

2   Bharatnatyam item alarippu

DECEMBER

1   Annual Day

2   Group formation of folk dance

3   Steps of Christmas Song

JANUARY

1. Repubilc day prepration

2. Ektaal,Roopak tall practice

3. Bharatnatyam Item-Padam

FEBRUARY

1. Assignment test
2. Practical test
3. Assignment test/practical test

MARCH

Annual Examination

MUSIC

APRIL

1. Revision of Sargam

2. Revision of Alankars 1 to 5

MAY

Any three of the following:

i. National Anthem

ii. National Song

iii. Patriotic Song

iv. Community Song

v. Devotional Song

vi. Folk Song

JUNE

1. Recitation of the Thekas of the prescribed Talas with dugun.
2. Thekas of Teentaal, Jhaptaal and Ektaal.

JULY

Aaroha, Avaroha, Pakad and Drut Khayal with few Aalaps and Tanas in Raga Ahir Bhairav.

AUGUST

1. Patriotic Song.
2. Keyboard or Harmonium Practice.

SEPTEMBER

1. Alankars set to all prescribed Ragas and Talas.
2. Half Yearly Examination

OCTOBER

Kaydas, Paltas and Tihai in Teentaal.

NOVEMBER

1. Annual day Rhythm practice
2. Rhythm preparation on kongo

DECEMBER

1. Band formation/Group Song Preparation/projects on Alankars/Notation of Jhaptaal.
2. Thekas of Keharwa and Dadra.

JANUARY

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1. Republic Day Preparation
2. Patriotic Songs
3. Basic techniques and bols of Tabla.

FEBRUARY

1. Assignment Test
2. Practical Test
3. Assignment test/practical test.

MARCH

Annual Examination

VISUAL ART

APRIL - MAY

Topic: Basic pencil shading,

Learning hatching and

stroke techniques.

JUNE-AUGUST

Topic: Still life, learning 3D shading effect on object.

SEPTEMBER – OCTOBER

Topic: Foliage study, Creative composition.

NOVEMBER – DECEMBER

Topic- Outdoor Study in water color on full sheet.

JANUARY – FEBRUARY

Topic- Portrait Study, Learning captures the expression of human

face, Creative composition.

MARCH

Annual Examination