

## CLASS 8 YEARLY SYLLABUS

### 1. PHYSICS

**UNIT 1:-** Matter, Physical Quantities and Measurement ( *Density of Solids till page no. 22*)

**HALF YEARLY :-** Matter, Physical Quantities and Measurement, Force and Pressure and Energy

**UNIT 2 :-** Light Energy and Heat Transfer

**FINAL TERM :-** Matter, Physical Quantities and Measurement, Force and Pressure, Energy, Light Energy, Heat Transfer, Sound and Electricity

### 2. FASHION DESIGNING

**UNIT 1:-** Introduction to fashion, national and international designers.

**HALF YEARLY :-** Introduction to fashion, national and international designers, colour harmony.

**Practical-** block figure, illustration, macrame bag.

**UNIT 2-** Fabric, Trims, Care of clothes.

**FINAL TERM-** Introduction to fashion, national and international designers, colour harmony, Fabrics, Trims, Care of clothes.

**Practical-** Illustration

### 3. CHEMISTRY

#### **FIRST TERM**

##### **FIRST UNIT TEST**

Chapter-1 Matter and its Composition

Chapter- 4 Atomic structure

#### **HALF YEARLY EXAMINATION**

Chapter-1 Matter and its Composition

Chapter-2 Physical and Chemical Changes

Chapter-3 Elements, Compounds and Mixtures

Chapter-4 Atomic Structure

Chapter-5 Language of Chemistry

#### **SECOND TERM**

##### **SECOND UNIT TEST**

Chapter-6 Chemical Reactions

Chapter-7 Hydrogen

#### **FINAL EXAMINATION-**

Chapter-1 Matter and its Composition

Chapter-2 Physical and Chemical Changes

Chapter - 3 Elements, Compounds and Mixtures

Chapter-4 Atomic Structure

Chapter-5 Language of Chemistry

Chapter-6 Chemical Reactions

Chapter-7 Hydrogen

Chapter-8 Water

Chapter 9 Carbon and its Compounds

Chapter-10 Oxides of Carbon

#### **4. VALUE EDUCATION**

##### **Half - Yearly**

1. Controlling Emotions
2. Sportsmanship
3. Decision Making
4. Body Language
5. Be Cautious with Computer
6. The Rhyme of Life
7. Being a good Conversationalist
8. Travels and Tourism

##### **Final Examination**

9. Save the Environment
10. Failure-A Stepping Stone
11. Health, Wellness and Appearance
12. Healthy Diet
13. Conflict Resolution
14. Foul Language
15. Peace
16. The Gossip

#### **5. COMPUTER SCIENCE**

**FIRST UNIT** – Operating System and Graphical User Interface- Role and Functions

**COMPUTER PRACTICAL**- Charts in Microsoft Excel 2016

**HALF YEARLY EXAMS**: Operating System and Graphical User Interface- Role and Functions, Excel 2016 -Formulas and Functions, Algorithm and Flowchart, App Development.

**SECOND UNIT** – Introduction to JAVA and BlueJ, Explore Robotics

**ANNUAL EXAMS**: Introduction to JAVA and BlueJ, Algorithm and Flowchart, Excel 2016 - Formulas and Functions, Decision Control Structure, Computer Networking and Cloud Computing

#### **6. Biology**

##### **FIRST TERM**

##### **FIRST UNIT-**

Transport of food and minerals in plants.

##### **HALF YEARLY EXAM –**

Transport of food and minerals in plants, Reproduction in Plants and Animals, Ecosystem, Endocrine system, Adolescence and Accompanying Changes.

##### **SECOND TERM**

##### **SECOND UNIT**

Circulatory System, Nervous system

##### **FINAL EXAM**

Circulatory System, Nervous System, Health and Hygiene, First Aid, Food production + Half yearly syllabus.

## **7. ENGLISH LITERATURE**

1. The Night the Ghost Got In
2. The Lake Isle of Innisfree (poem)

Half – Yearly Examination

1. The Narayanpur Incident
2. Patol Babu , Film Star
3. My Greatest Olympic Prize
4. The Rock and the Sea (Poem)
5. Failure (Poem)
6. The Merchant of Venice (Play)

- Along with unit test 1 syllabus

Unit Test – II

The Boy who broke the Bank

Marshlands (poem)

Final Examination

1. The Visitor
2. The Stolen Bacillus
3. That Little Square Box
4. The Elephant and the Tragopan (Poem)
5. Helen Keller (Poem)
6. Marshlands (Poem)
7. Julius Caesar (Play)

- Along with unit test 2 syllabus

## **8. ENGLISH LANGUAGE**

First Unit Test – 1.Determiners 2.Verbs: The Present 3.Verbs: The Past 4. Verbs The Future Verbs: 5. Letter Writing 6. Synonyms

Half Yearly Examination – 1. Verbs: Modals 2. Verbs : Conditionals 3. Verbs: Non-Finite Forms 4. Verbs: Active and Passive Voice 5. Comparisons 6. Adverbs 7. Prepositions 8. Idiomatic Expressions 9. Words followed by Preposition 10. Synonyms,

- ( Letter Writing – Formal & Informal, Essay Writing, Comprehension, Writing Notices, Writing E-mail )

- Along with unit test 1 syllabus

Second Unit Test – Notice/ E-mail, Conjunctions, Direct and Indirect Speech and Antonyms.

Final Examination – 1. Phrases and Clauses 2. Relative Clauses 3. Sentences – Simple, Compound and Complex 4. Transformation of Sentences 5. Direct and Indirect Speech 6. Punctuation and Capital Letters 7. Antonyms 8. Words Often Confused 9.Idiomatic Expressions 10. Letter Writing 11. Writing Notices, Writing E-mail 13. Comprehension , 14. Composition

- Along with entire year syllabus

## **9. HISTORY AND CIVICS**

### UNIT TEST 1

- A Period of Transition

#### Half Yearly

- The Growth of Nationalism
- The American War of Independence
- India in the 18<sup>th</sup> Century
- Traders to Rulers
- British Policies and their Impact
- The Union Legislature
- The Union Executive

### UNIT TEST 2

- The Great Uprising of 1857
- The Judiciary

### FINALS

- The American Civil War
- Socio -Religious Reforms
- India's Struggle for Freedom -Phase 1
- India's Struggle for Freedom -Phase 2
- United Nations
- Agencies of the UN
- The Judiciary

## **10. GENERAL KNOWLEDGE**

**First Unit -** Chapters 1-12 and current affairs+ important dates of April, May and June in the school diary.

**Half Yearly Examination -** Chapters 1-24 and current affairs + important dates of April to August.

**Second Unit Test** Chapters 25 to 36 and current affairs + important dates of September, October and November.

**Final Examination -** Chapters 25 to 46 and current affairs + important dates of September to March

## **11. Geography**

### **TERM 1**

UT 1 - Representation of Geographical Features ;  
Migration

### **HALF YEARLY -**

Map Work ; Representation of Geographical Features ; Migration; Urbanization; ( Asia- The Largest Continent ); Natural and Man Made Disaster

## **TERM 2**

### **Unit Test 2 -**

Urbanization ; India- It's Geographical Features

### **Final Examination -**

Map Work ;

Representation of Geographical Features India- It's Geographical Features; India- Climate, Natural Vegetation and Wildlife; India- Human resources; Population Dynamics; Migration ; Urbanization

## **12. MATHEMATICS**

### **First Term Syllabus :**

#### **First Unit Test**

- Algebraic Expressions
- Identities
- Squares and Square Roots

#### **Half Yearly Exam**

- Rational Numbers
- Exponents
- Squares and Square Roots
- Cube and Cube Roots
- Percent and Percentage
- Profit ,Loss and Discount
- Algebraic Expressions
- Identities
- Linear Equations in one Variable
- Linear Inequations
- Data Handling

### **Second Term Syllabus**

#### **Second Unit test**

- Playing with Numbers
- Sets
- Direct and Inverse Variations
- Constructions

#### **Final Exam**

- Algebraic Expressions
- Linear Equations in one Variable
- Exponents
- Playing with Numbers

- Sets
- Interest
- Direct and Inverse Variation
- Factorisation
- Understanding Shapes
- Special Type of Quadrilaterals
- Constructions
- Circles
- Area of Trapezium and Polygon
- Surface area ,Volume and Capacity
- Data Handling

### **13. ART ( Learning Creative Art )**

FIRST UNIT: Chapter-1 Page nos. 5 to 13 & Work done in the Sketchbook.

HALF YEARLY: Chapter-2 & 3 Page nos. 14 to 33 and Work done in the Sketchbook .

SECOND UNIT: Chapter-4 Page nos. 34 to 64 and Work done in the Sketchbook.

FINAL EXAM: Chapter-5 & 6 Page nos. 65 to 68 and Work done in the Sketchbook.

### **14. Hindi**

**Term 1**

**Unit 1**

**नवीन पल्लव**

#### **1. खुशी की तलाश**

**वर्तिका व्याकरण**

1. भाषा , बोली , लिपि और व्याकरण
2. वर्ण विचार और उच्चारण
3. शब्द विचार

**Half yearly examination**

**नवीन पल्लव**

1.गौरा

2. छोड़ दो

3. गुरु जी

4. दो कलाकार

5. हिमयुग की वापसी

वर्तिका व्याकरण

पर्यायवाची , विलोम शब्द ,वाक्यांशों के लिए एक शब्द , श्रुतिसम भिन्नार्थक शब्द , उपसर्ग एवं प्रत्यय , संज्ञा , मुहावरे , अनौपचारिक पत्र , अनुच्छेद , कहानी या निबंध लेखन , अपठित गद्यांश

## Term 2

### Unit test 2

#### नवीन पल्लव

1. सफेद सच

वर्तिका व्याकरण

लिंग एवं वचन , काल

Final Examination

#### नवीन पल्लव

1.बाढ़ का बेटा

2.बेताल की कथा

3. बसंती हवा

4. कोलकाता की संत मदर टेरेसा

5. तृण भारत

6. गुरु जी

7. हिमयुग की वापसी

वर्तिका व्याकरण

सर्वनाम, विशेषण, वाक्य विचार, विराम चिन्ह, अशुद्धि शोधन, लोकोक्तियाँ, पत्र लेखन (औपचारिक एवं अनौपचारिक), अनुच्छेद एवं निबंध लेखन, अपठित गद्यांश

1st Term + 2nd Term समस्त हिन्दी व्याकरण

15. संस्कृत



## **1st Unit**

1- अभ्यासस्य महत्वा

2- महात्मा बुद्धः

शब्द रूप - साधु

धातु रूप - दा (पाँचों लकारों में)

## **Half Yearly**

1- प्रियं भारतम्

4- समयस्य महत्वम्

2- ग्राम्य जीवनम्

5- पुनः मूषकः भव

3- वीरांगना महाराज्ञी लक्ष्मीबाई

6- ईश्वरस्य यत् करोति शोभनम् करोति

शब्द रूप- नदी, साधु

धातु रूप - स्था, पा (पाँच लकारों में)

## **2nd Unit**

1- सुभाषितानि

2- स्वामी विवेकानंदः

शब्द रूप- कवि

धातु रूप - कृ (पाँच लकारों में)

## **Finals**

1- हिमालयः

4- महाकविः कालिदासः

2- गीतामृतम्

5- प्रिय भारतम्

3- चतुरः व्याघ्रः

6- पुनः मूषकः भव

शब्द रूप- कवि, राजा

धातु रूप - कृ, अस् (पाँच लकारों में)