

## **SUBJECT : ENGLISH**

**CLASS : 9th**

**Prescribed Books : Published by NCERT, New Delhi**

**Text Books : Beehive and Moments**

### **Term-I**

#### **April**

Prose : The Fun They Had  
Poem : The Road Not Taken  
\* The Lost Child

#### **May**

Prose : The Sound of Music  
Poem : Rain on the roof  
\* The Adventures of Toto revision for unit test

#### **July**

Prose : The little girl, A truly Beautiful Mind  
\* Iswaran the Storyteller

#### **August**

Prose : The Snake and The Mirror  
Poem : The lake Isle of Innisfree  
\* in the kingdom of fools

### **September : Revision for SA- 1**

#### **October**

Prose : My childhood, Reach for the top  
Poem : A legend of the Northland  
\* The Happy Prince

#### **November**

Prose : Kathmandu  
Poem : No men Are Foreign, on killing a tree  
\* The last leaf

#### **December**

Prose : If I were you

Poem : A slumber did my spirit seal  
\*A House is not a Home, The beggar

**January-February**  
Revision for the whole syllabus

Note : All writing topics (notice, message, advertisements, email, bio-sketch, diary writing, story writing, data interpretation, letter, article, report writing etc) and general Grammar topics will be covered in SA1 and SA2 each mandatorily.

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**SUBJECT : MATHEMATICS**

**April to May**

1. Number System
2. Polynomials
3. Co-Ordinate Geometry
4. Linear equation in two variables

**Suggestive Lab Activity**

1. To represent irrational number on a number line.
2. Square root of Natural number.
3. Draw a graph of point on graph paper when its co- ordinates points are given.
4. Find the co- ordinate of given figure.
5. To obtain the graph of linear equation in two variables of the type  $ax + by + c = 0$  where a , b and c are constant.

**Periodic Test 1:- 25% of Syllabus**

**July to September**

5. Introduction to Euclid's Geometry
6. Lines and Angles
7. Triangles
8. Quadrilateral

**Suggestive Lab Activity**

6. With the help of folding a paper activity find the mid- point of a

line segment.

7. To get the knowledge about angles formed by transverse cutting two parallel lines.
8. To explore criteria for congruency of triangle cut only.
9. To prove that angles opposite to equal sides of an isosceles triangles are equal by paper cutting.
10. To prove that the sum of the angle of a triangle is  $180^\circ$  by using paper cutting and pasting method.
11. To show that the area of a triangle is half the product to the base and height using paper cutting and pasting.
12. To divide a line segment into given number of equal parts by a simple activity.

#### **September : Periodic Test 2:- 50% of Syllabus**

#### **October to November**

10. Circles
12. Heron's Formula

#### **Suggestive Lab Activity**

13. To obtain parallelogram by paper folding.
14. To show that the area of Rhombus is half the products of its diagonal using paper cutting and pasting.
15. To show that are of a parallelogram is the product of base and height by cutting and pasting.
16. To show that a diagonal of a parallelogram bisect each other.
17. To prove that parallelogram on the some base and between the same parallel lines are equal in area by paper cutting and pasting.
18. To prove that angle subtended by an arc at the centre is double the angle subtended by it at any point on the remaining part of the circle.
19. To prove the angle in same segment of a circle are equal.
20. To show that angle on major segment is acute.

#### **Periodic Test 3:- 75% of Syllabus**

#### **December to Mid January**

13. Surface areas and volumes.
14. Statistics

### **Suggestive Lab Activity**

21. To find the surface area of cone.
22. To draw the Bar Graph to represent the marks obtained in Mathematics by students of class IX.
23. To obtain the empirical probability of getting a head / tail of coin by experiment.

**Mid January - February : Revision**

**March : Annual Examination**

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### **विषय- हिंदी**

**पाठ्य पुस्तक - क्षितिज-1, कृतिका-1**

**व्याकरण : उत्थान हिन्दी व्याकरण-9 ( परमवीर प्रकाशन**

**प्रथम आवधिक**

1. अपठित गद्यांश, अपठित काव्यांश
2. व्याकरण : शब्द निर्माण, उपसर्ग, प्रत्यय, समास, अर्थ की दृष्टि से वाक्यभेद  
अलंकार, अनुप्रास, यमक, उपमा, रूपक
3. गद्यखण्ड : (क्षितिज) - दो बैलों की कथा, लहासा की ओर, उपभोक्तावाद की सांबले सपनों की याद।
4. काव्याखंड : (क्षितिज) - साखियां एवं सब्द, वाख, स्वैये, कैदी और कोकिला।
5. कृतिका : इस जल प्रलय में, मेरे संग की औरतें।
6. लेखिका : पत्र लेखन, निबंध लेखन, संवाद लेखन, लघुकथा, सूचना लेखन।

### **द्वितीय आवधिक**

1. अपठित गद्यांश तथा काव्यांश।
2. व्याकरण : शब्द निर्माण, उपसर्ग, प्रत्यय, समास अर्थ की दृष्टि से वाक्य-भेद  
अलंकार- अनुप्रास, यमक, उपमा, रूपक

3. ਕਾਵਿਯਕੰਡ : ਗਰਾਮ ਸ਼ਰੀ, ਮੇਘ ਆਏ, ਕਚੇ ਕਾਮ ਪਰ ਜਾ ਰਹੇ ਹਨ।
4. ਗਦ੍ਯਕ੍ਰਣ : ਪ੍ਰੇਮਚੰਦ ਕੇ ਫਟੇ ਜੂਤੇ, ਮੇਰੇ ਕਚਪਨ ਕੇ ਦਿਨ
5. ਕ੍ਰਿਤਿਕਾ : ਰੀਫ਼ ਕੀ ਹਭੂੀ
6. ਲੇਖਕ : ਪਤ੍ਰ ਲੇਖਨ, ਨਿਬੰਧ ਲੇਖਨ, ਸੰਵਾਦ ਲੇਖਨ, ਲਘੁਕਥਾ, ਸੂਚਨਾ ਲੇਖਨ।

### ਵਿਸ਼ਾ - ਪੰਜਾਬੀ (ਪਹਿਲੀ ਭਾਸ਼ਾ)

ਪ੍ਰਸਤਾਵਿਤ ਪੁਸਤਕਾਂ : ਸਾਹਿਤ-ਮਾਲਾ-9, ਵੰਨਗੀ-9

ਵਿਆਕਰਨ - ਨਰਿੰਦਰ ਸਿੰਘ ਦੁੱਗਲ

ਅਪੈਲ-ਮਈ

ਅਣਡਿੱਠਾ ਪੈਰਾ (ਵਾਰਤਕ)

- ਕਵਿਤਾ : ਸਮਾਂ (ਭਾਈ ਵੀਰ ਸਿੰਘ)  
 ਵਾਰਤਕ : ਵਹਿਮੀ ਤਾਇਆ(ਸੁਬਾ ਸਿੰਘ)  
 ਕਹਾਣੀ : ਜਨਮ -ਦਿਨ (ਸਵਿੰਦਰ ਸਿੰਘ ਉੱਪਲ)  
 ਇਕਾਂਗੀ : ਮੈਂਨਧਾਰੀ(ਈਸ਼ਵਰ ਚੰਦਰ ਨੰਦਾ)  
 ਵਿਆਕਰਨ : ਵਿਰੋਧੀ ਸ਼ਬਦ, ਲਿੰਗ ਬਦਲੇ, ਲੇਖ (ਵਿਚਾਰ ਪ੍ਰਧਾਨ)

ਜੁਲਾਈ-ਅਗਸਤ

ਅਣਡਿੱਠੀ ਕਾਵਿ-ਟੁਕੜੀ

- ਕਵਿਤਾ : ਵਿਸਾਖੀ ਦਾ ਮੇਲਾ (ਧਨੀ ਰਾਮ ਚਾਤ੍ਰਕ)  
 ਵਾਰਤਕ : ਮੁੜ ਵੇਖਿਆ ਪਿੰਡ (ਬਲਰਾਜ ਸਾਹਨੀ)  
 ਕਹਾਣੀ : ਸਾਂਝੀ ਕੰਧ (ਸੰਤੋਖ ਸਿੰਘ ਧੀਰ)  
 ਵਿਆਕਰਨ : ਵਿਸਮਿਕ, ਮੁਹਾਵਰੇ (ਓ, ਅ)  
 ਨਿੱਜੀ ਪੱਤਰ, ਚਿੱਤਰ /ਫੋਟੋ/ਦ੍ਰਿਸ਼ ਵਰਨਣ।

ਸਤੰਬਰ : ਦੁਹਰਾਈ ਅਤੇ ਇਮਤਿਹਾਨ

ਅਕਤੂਬਰ - ਨਵੰਬਰ

- ਕਵਿਤਾ : ਮੈਂ ਪੰਜਾਬੀ (ਫੀਰੋਜ਼ਦੀਨ ਸ਼ਰਫ)  
 ਵਾਰਤਕ : ਖੁਸ਼ੀਆਂ ਆਪੇ ਨਹੀਂ ਆਉਂਦੀਆਂ (ਡਾ. ਟੀ. ਆਰ. ਸ਼ਰਮਾ)  
 ਕਹਾਣੀ : ਬੱਸ ਕੰਡਕਟਰ (ਡਾ. ਦਲੀਪ ਕੌਰ ਟਿਵਾਣਾ)  
 ਇਕਾਂਗੀ : ਸਿਰਜਣਾ(ਪਾਲੀ ਭੁਪਿੰਦਰ ਸਿੰਘ)

ਵਿਆਕਰਨ : ਸ਼ਬਦ -ਸ਼ੁੱਧੀ, ਕਿਰਿਆ, ਲੇਖ (ਆਮ-ਵਿਸ਼ੇ)  
ਦਸੰਬਰ-ਜਨਵਰੀ  
ਕਵਿਤਾ : ਨਵੀਂ ਪੁਰਾਣੀ ਤਹਿਜ਼ੀਬ (ਵਿਧਾਤਾ ਸਿੰਘ ਤੀਰ)  
ਮਾਤਾ ਗੁਜਰੀ ਜੀ (ਨੰਦ ਲਾਲ ਨੂਰਪੁਰੀ)  
ਵਾਰਤਕ : ਬੇਬੇ ਜੀ (ਡਾ. ਹਰਪਾਲ ਸਿੰਘ ਪੰਨੂ)  
ਵਿਆਕਰਨ : ਮੁਹਾਵਰੇ (ੲ, ਸ, ਹ), ਪੱਤਰ (ਦਫ਼ਤਰੀ ਪੱਤਰ)  
ਫ਼ਰਵਰੀ-ਮਾਰਚ  
ਦੁਹਰਾਈ ਅਤੇ ਸਾਲਾਨਾ ਪ੍ਰੀਖਿਆ।

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## SUBJECT : SCIENCE

### Term-1

April : Chapter : 1 Matter in our Surroundings.  
Chapter : 2 Is Matter Around Us Pure.  
May : Chapter : 5 Fundamental unit of life.  
Chapter : 6 Tissue  
July : Chapter : 8 Motion  
Chapter : 9 Force and Law of motion

### Term-2

October : Chapter : 3 Atoms and Molecules  
Chapter : 4 Structure of Atom  
November : Chapter : 10 Gravitational  
Chapter : 11 Work and Energy  
December : Chapter : 12 Sound  
Chapter : 15 Improvements in food Resources

1. Preparation of : Unit-I

- a true solution of common salt, sugar and alum
- a suspension of soil, chalk powder and fine sand in water
- 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 Unit-I

- 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: Unit-I
- 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. Unit-II
5. Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals, from prepared slides. Draw their labeled diagrams. Unit-II
6. Determination of the melting point of ice and the boiling point of water.
7. Verification of the Laws of reflection of sound. Unit-III
8. Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder. Unit-III
9. Establishing the relation between the loss in weight of a solid when fully immersed in Unit-III
- a) Tap water  
b) Strongly salty water with the weight of water displaced by it by taking at least two different solids.
10. Determination of the speed of a pulse propagated through a stretched string/slinky (helical spring). Unit-III
11. Verification of the law of conservation of mass in a chemical reaction. Unit-III

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**SUBJECT : SOCIAL SCIENCE**

**HISTORY**

1. The French Revolution **(For SA1 Examination)**
2. Socialism in Europe and the Russian Revolution **( For SA1 Examination)**
3. Nazism and the Rise of Hitler
4. Forest Society and Colonialism
5. Pastoralists in the Modern World

**GEOGRAPHY**

1. India **( For SA1 Examination)**
2. Physical Features of India **( For SA1 Examination)**
3. Drainage **( For SA1 Examination)**
4. Climate
5. Natural Vegetation and Wild Life
6. Population

**POLITICAL SCIENCE**

1. What is Democracy? Why Democracy? **(For SA1 Examination)**
2. Constitutional Design **(For SA1 Examination)**
3. Electoral Politics **(For SA1 Examination)**
4. Working of Institutions
5. Democratic Rights

**ECONOMICS**

1. The Story of Village Palampur **(For SA1 Examination)**
2. People as Resource (For SA1 Examination)
3. Poverty as a Challenge
4. Food Security in India

**Maps : According to SA1 Chapters**

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