

*From the Team Leader*

**Dear Mahavirians and Children,**

**As the summer break approaches, it brings with it a wonderful opportunity to pause, refresh, explore, and grow.** Holidays are not merely a break from school; they are a beautiful phase of learning beyond the classroom walls. While we all look forward to relaxation and family time, it is equally important that the continuum of learning is maintained in meaningful and joyful ways.

With this thought in mind, the Holiday Homework has been thoughtfully designed for each class. The purpose of this work is to keep the young minds engaged, curious, creative, and connected to learning in an enjoyable manner.

Dear children, summer vacations are a wonderful time to discover yourselves, strengthen your interests, and create memories that last forever. Learning happens in many forms — helping your parents with household chores, reading every day, pursuing a hobby, learning a new skill, exploring nature, spending quality time with family, and engaging in creative activities. Each experience teaches something valuable and contributes to your growth as confident, responsible, and independent learners.

Therefore, I encourage every Mahavirian to:

- Read at least two pages of any book every day.
- Pursue a hobby that brings happiness and creativity.
- Learn a new skill such as swimming, skating, dancing, painting, playing a musical instrument, gardening, cooking, or anything that excites and inspires you.
- Devote at least one hour daily to self-study so that the continuity of learning is maintained.

At the same time, spend quality time with your family, stay physically active, play outdoors, appreciate nature, and take care of your health and well-being.

**I would also like to lovingly remind all children that the Holiday Homework should be done independently and sincerely. When you complete your work on your own, you develop confidence, responsibility, creativity, and problem-solving skills. Independent work nurtures originality of thought and helps you become a self-reliant learner — a quality that will benefit you throughout life.**

Dear parents, your encouragement and gentle guidance during the holidays will go a long way in helping children develop healthy habits, time management, and a love for lifelong learning. More than perfection, we value participation, effort, and the joy of learning.

**May this summer break be filled with happiness, learning, exploration, laughter, and beautiful experiences for all of you.**

*Wishing you a safe, productive, and joyful summer vacation!*

**Ruchika Sukhija**  
Principal

# HOLIDAY HOMEWORK

## GRADE : IX

### ENGLISH

#### Project Title: "Wall of Fame – Empowered Women"

Dear Students,

As part of your holiday homework, you are required to prepare a biosketch on an A3/A4 sheet under the title "*Wall of Fame – Empowered Women*".

#### ✦ Roll Number-wise Country Allocation:

Roll No. 1–8 → India

Roll No. 9–16 → Netherlands

Roll No. 17–23 → Singapore

Roll No. 24–33 → New Zealand

#### ✦ List of Personalities:

##### 1. India

- Mary Kom (Sports)
- Kalpana Saroj (Entrepreneur)
- Arunima Sinha (Mountaineer)
- Kiran Bedi
- Varsha Deshpande (Advocate, Activist)
- Kiran Mazumdar-Shaw

##### 2. Netherlands

- Sarina Wiegman (Football Manager)
- Karin van Baardwijk (CEO of Robeco)
- Jake Smith
- Georgina Lara Booth
- Eleanor Boekholt-O'Sullivan
- Anja Meulenbelt
- Selma van de Perre-Velleman

### **3. Singapore**

- Grace Fu Hai Yien
- Anna Vanessa Haotanto
- Tjin Lee (Founder of Mercury Marketing and Communications)
- Amanda Heng (Artist and Educator)
- Checha Davies (Advocate)
- Kong Man Jing – Biogirl MJ
- Sowmya Iyer (Founder and CEO of Clarity Communication)

### **4. New Zealand**

- Helen Clark – Former Prime Minister
- Kate Sheppard
- Jacinda Ardern
- Dame Sophie Pascoe – Paralympian
- Te Paea Herangi
- Traci Houpapa

#### **TASK 1- Biosketch Requirements:**

**Each student will select one personality from their assigned country and include the following details:**

- Full Name
- Country and Field
- Early Life (2–3 lines)
- Major Achievements
- Challenges Faced
- Awards/Recognition
- Why you find her inspiring (2–3 lines)
- Picture (printed or hand-drawn)

**Ensure that your work is neat, well-organized, and creatively presented.**

✦ **Reflection Question:**

“If you could ask her one question, what would it be and why?”

**TASK 2- Character Portrayal:**

You will also be required to enact your chosen personality in class after the vacations.

Include the following in your presentation:

- Introduction (“I am...”)
- Highlights of her life, struggles, and achievements
- A message to today’s generation

**Important Note:**

All information used must be authentic and factually correct. Refer only to reliable sources such as books, verified websites, or documentaries while preparing your project and portrayal.

**Submission Guidelines:**

- Complete the work on an A3/A4 sheet in neat handwriting.
- Keep the content well-organized and original.
- Prefer hand-drawn sketches (avoid printed pictures).
- Mention your name, class, and roll number.
- Submit on the first day after the holidays.

**TASK 3**

Make an attractive poster with catchy slogan and interesting visuals about any of the following topics on an A-3 size sheet.

1. Dignity of Labour
2. Unity in Diversity
3. Value of Education
4. Tradition vs. Technology

**TASK 4**

Read any one of the following books. Describe your favourite character from it in 100 to 120 words on an A-4 size sheet. Make an interesting visual complementing it and put it in a creatively decorated file.

1. Harry Potter Series
2. To Kill a Mocking Bird
3. The Little Women
4. Gulliver's Travels

## हिंदी

प्रिय छात्रों ग्रीष्मावकाश आनंद, सीखने, रचनात्मकता और परिवार के साथ मधुर समय बिताने का अवसर है। इस अवकाश में आप खेलें, पढ़ें, नई बातें सीखें और अपने अनुभवों को शब्दों में व्यक्त कीजिए। आपके लिए कुछ रोचक, ज्ञानवर्धक और रचनात्मक गतिविधियाँ दी जा रही हैं। इन्हें सुंदर लेख में पूर्ण करके विद्यालय खुलने पर अवश्य लाएँ। अभिभावकों से विनम्र अनुरोध है कि वे बच्चों को स्वाध्याय, पठन-पाठन, रचनात्मक गतिविधियों तथा पारिवारिक संवाद के लिए प्रेरित करें। कृपया बच्चों को अपने मार्गदर्शन में कार्य पूर्ण करने में सहयोग प्रदान करें।

1. भारत में पशुओं की सुरक्षा के लिए **Prevention of Cruelty to Animals Act, 1960** जैसे कानून होने के बावजूद पशु-क्रूरता की घटनाएँ सामने आती रहती हैं। पशु-क्रूरता रोकने में इन कानूनों की प्रभावशीलता का मूल्यांकन करते हुए यह लिखिए कि क्या केवल कानून पर्याप्त हैं, या दया, समझ और सामाजिक जागरूकता भी आवश्यक है? विस्तार से लिखिए।
2. जीवन के रंग विषय पर मुहावरों से युक्त कविता की रचना कीजिए, जिसमें विभिन्न भावनाओं (खुशी, दुःख, संघर्ष) को अभिव्यक्त किया गया हो।
3. शब्द-संग्रह डायरी

विशेष निर्देश: एक सुंदर डायरी में प्रतिदिन 5 नए शब्द लिखिए और प्रत्येक शब्द के साथ निम्न विवरण भी दीजिए-

- शब्द
- अर्थ
- पर्यायवाची (कम-से-कम 2)
- वाक्य में प्रयोग

उदाहरण:

- शब्द: सुंदर
- अर्थ: जो देखने में अच्छा लगे

- पर्यायवाची: सुहावना, मनोहर
- वाक्य: यह बगीचा बहुत सुंदर है।

यह कार्य कम-से-कम 15 दिनों तक नियमित रूप से करें।

4. अपने घर के सदस्यों अथवा आसपास के विभिन्न कार्यक्षेत्रों (जैसे-शिक्षक, डॉक्टर, सफाईकर्मी, दुकानदार, पुलिसकर्मी, चालक, कलाकार आदि) से जुड़े किसी एक व्यक्ति का साक्षात्कार कीजिए। उनके जीवन संघर्ष, कार्य-अनुभव, समसामयिक दृष्टिकोण एवं प्रेरणादायक विचारों को समझते हुए उसे प्रश्न-उत्तर के रूप में सुव्यवस्थित ढंग से प्रस्तुत कीजिए। साथ ही, साक्षात्कार के आधार पर यह स्पष्ट कीजिए कि उनके अनुभव आपके जीवन को किस प्रकार प्रभावित करते हैं और आप उनसे क्या सीख ग्रहण करते हैं ?

विशेष निर्देश:

- साक्षात्कार स्पष्ट, क्रमबद्ध एवं प्रभावशाली भाषा में प्रस्तुत कीजिए।
- प्रश्न तार्किक एवं विषयानुकूल हों।
- अंत में अपने सीखने के अनुभव अवश्य लिखिए।
- प्रस्तुति में मौलिकता, संवेदनशीलता एवं रचनात्मकता का समावेश कीजिए।

5. देशभक्ति के प्रतीक विषय के अंतर्गत किन्हीं 5 स्वतंत्रता सेनानियों एवं राष्ट्रीय प्रतीकों (जैसे-तिरंगा, अशोक चक्र, राष्ट्रीय गीत, राष्ट्रीय गान आदि) को अपने चार्ट/पोस्टर में शामिल करते हुए उनके महत्व को विस्तार में स्पष्ट कीजिए।

विशेष निर्देश:-

- चार्ट/पोस्टर साफ-सुथरा, आकर्षक एवं सुव्यवस्थित हो।
- चित्र, रंग और संक्षिप्त जानकारी का संतुलित प्रयोग कीजिए।
- भाषा सरल, प्रभावशाली एवं शुद्ध हो।
- कार्य में मौलिकता एवं रचनात्मकता होनी चाहिए।

## संस्कृत

प्रिय छात्रों आपकी छुटियाँ आनन्दमयी हो।

गृहकार्य को A-4 साइज शीट पर सुन्दर लेख में स्वच्छता करके स्टिक फोल्डर में तैयार करके छुट्टियों के बाद विद्यालय में प्रस्तुत करें।

1. संस्कृत भाषा में एक देशभक्ति गीत (स्वयं लिखें या अनुवाद करके) सुन्दर लेख में लिखिए व याद कीजिए। (10-15 पंक्तियों में)

(अपठित-अवबोधनम्)

2. (क) अपठित गद्यांश पठित्वा प्रश्नानाम् उत्तराणि लिखत- (गद्यांश को पढ़कर प्रश्नों के उत्तर दीजिए।) (निम्नलिखित गद्यांश को पढ़कर दिए गए प्रश्नों के उत्तर संस्कृत में लिखिए।)

सुन्दरराजः राजदेवस्य गृहे उद्योगी आसीत्। सः राजदेवे विशेषविश्वासं प्रदर्शयति स्म। राजदेवः सीताराम नामकम् अन्य कमपि युवकम् उद्योगे नियोजितवान्। तम् उक्तवान् च- "सीताराम! सुन्दरराजः दशवर्षाणि यावत् मम गृहे उद्योगित्वेन सहायकः आसीत्। तथापि सः मयि विश्वासं न स्थापितवान्। अत एव सः अत्र उद्योगं परित्यक्तवान्। उद्योगिनः स्वामिनि विश्वासं न स्थापितवान्। अत एव सः अत्र उद्योगं परित्यक्तवान्। उद्योगिनः स्वामिनि विश्वासं कुर्युः सदा" इति धारणा। एकदा सीतारामः सुन्दरराजं मिलित्वा अवदत् यत् "भवान् राजदेवगृहं दश वर्षाणि यावत् कार्यं कृतवान् खलु? अतः तत्र कथं व्यवहरणीयम् इति विषयो मां किञ्चित् सुस्पष्टं वदत" इति। "राजदेव सज्जनः। तद्विषये मया वक्तव्यं किमपि नास्ति। भवान् तत्र कमपि क्लेशं न अनुभविष्याति" इति उक्तवान् सुन्दरराजः तच्छ्रुत्वा सीतारामः प्रसन्नतया तत्र विश्वस्तः सन् कार्यं कर्तुं प्रारभत।

उक्तञ्च- "विश्वासः फलदायकः महत्सु" इति।

(अ) एकपदेन उत्तरत - (एक शब्द में उत्तर लिखिए।)

(i) सुन्दरराजः कस्य गृहे उद्योगी आसीत् ? (ii) राजदेवः अन्य कम् उद्योगे नियोजितवान्?

(iii) सुन्दरराजः कति वर्षाणि पर्यन्तं राजदेवस्य गृहे उद्योगित्वेन सहायकः आसीत् ?

(ब) पूर्णवाक्येन उत्तरत- (केवलं प्रश्नद्वयम्) (पूर्णवाक्य में उत्तर लिखिए।)

(i) सीतारामः सुन्दरराजं मिलित्वा किं कथितवान् ? (ii) राजदेवः कीदृशः व्यक्तिः आसीत्?

(iii) कः कस्योपरि विश्वासं न स्थापितवान् ?

(स) अस्य अनुच्छेदस्य कृते उपयुक्तं शीर्षकं संस्कृतेन लिखत। (द्वित्रिंशत्पदात्मक-वाक्यम्)

(इस अनुच्छेद के लिए उपयुक्त शीर्षक संस्कृत में लिखिए।) (दो-तीन शब्द का वाक्य)

(द) निर्देशानुसारम् उत्तरत- (एकपदेन) (निर्देशानुसार उत्तर दीजिए)

(i) 'आसीत्' इत्यस्याः क्रियायाः कर्तृपदं किम्? (क) सीतारामः (ख) सुन्दरराजः (ग) राजदेवः

(ii) 'राजदेवः सज्जनः' अनयोः पदयोः विशेषणं किम्? (क) दुर्जनः (ख) परिजनः (ग) सज्जनः

(iii) 'कष्टम्' इत्यस्य पदस्य कः पर्यायः अत्र आगतः? (क) क्लेशम् (ख) करुणम् (ग) असह्यम्

(iv) अनुच्छेदे 'दुर्जनः' पदस्य कः विपर्ययः आगतः? (क) परिजनः (ख) सज्जनः (ग) विश्वासः

(ख) अपठित गद्यांशं पठित्वा प्रश्नानाम् उत्तराणि लिखत- (अपठित गद्यांश को पढ़कर प्रश्नों के उत्तर दीजिए।)

"देशाटनस्य बहवः लाभाः सन्ति। एतेन वयं सर्वेषां देशानां राजनैतिक, सामाजिक सांस्कृतिकं च रूपं ज्ञातुं समर्थाः भवामः। अद्यत्वे व्यापारः अपि प्रायशः अन्तर्राष्ट्रियव्यापारः सञ्जातः। कस्मिन् देशे कदा किं च सुलभं पदार्थस्य ज्ञानं सर्वथा अनिवार्यम् अस्ति। बहवः एतादृशाः अपरिपक्वाः पदार्थाः सन्ति येषां प्राप्तिः पदार्थानां निर्माणाय अनिवार्या अस्ति। अतः तान् पदार्थान् प्राप्तुं देशाटनं कर्तव्यमेव वर्तते।"

(i) एकपदेन उत्तरत - (एक पद में उत्तर दीजिए )

1. देशाटनस्य 'कति' लाभाः सन्ति ? 2. अद्यत्वे व्यापारः 'कीदृशः' अस्ति ?

II. पूर्णवाक्येन उत्तरत - पूर्ण वाक्य में उत्तर दीजिए।

1. सुलभं कस्य ज्ञानं सर्वथा अनिवार्यम् अस्ति ?

III. विकल्पेभ्यः उचितम् उत्तरं चिनुत- विकल्पों से उचित उत्तर चुनिए।

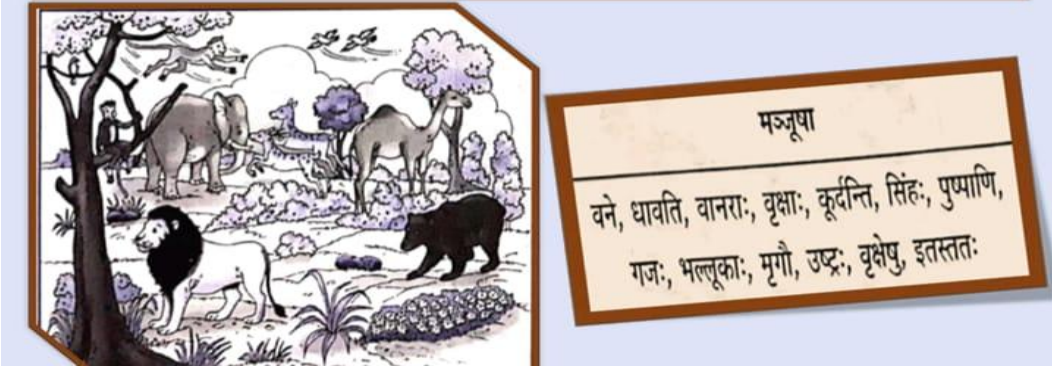
1. 'असमर्थाः' इत्यस्य कृते अत्र किं विलोमपदं प्रयुक्तम् ?

a. बहवः b. अनिवार्याः c. एतादृशाः d. समर्थाः

2. 'भवामः' इति क्रियापदस्य कर्तृपदं किम् ? a. व्यापारः b. वयम् c. अनिवार्याः d. सुलाभम्

3. चित्रं दृष्ट्वा मञ्जूषातः पञ्चवाक्यानां (5) निर्माणं कुरुत-

चित्रम्- 1



चित्रम्- 2



3. प्रदत्तं चित्रं दृष्ट्वा मञ्जूषायां प्रदत्तशब्दानां सहायतया पञ्च वाक्यानि संस्कृतेन लिखत ।



4. पञ्चदशवृक्षाणां नामानि लिखन्तु येषाम् उपयोगः औषधिनिर्माणार्थं भवन्ति । (औषधीनां नामानि अपि लेखनियानि) ।

(15) ऐसे वृक्षों के नाम लिखिए जिनका उपयोग औषधि बनाने में भी किया जाता हो। (औषधियों के भी नाम लिखें ।)

## MATHEMATICS

The Holidays homework has three parts:

- A. Practice worksheet to be done in the Assignment Register.
- B. Project work: A model to be presented neatly.
- C. Suggested activities to be learnt during the break.

### PART A (Practice Worksheet)

- Q1.** If the x-coordinate of a point is negative, it can lie in which quadrants?
- Q2.** Plot point Z (5, – 6) on the Cartesian plane. Construct a right-angled triangle IZN, right angled at point Z and find the lengths of the three sides.
- Q3.** The coordinates of the three vertices of a rectangle ABCD are A (3, 2), B (–4, 2), C (–4, 5). Plot these points and write the coordinates of D.
- Q4.** Plot the following points on a graph paper:

<b>X</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
<b>Y</b>	<b>5</b>	<b>8</b>	<b>11</b>	<b>14</b>	<b>17</b>

Join these points. What do you observe?

- Q5.** Draw the line passing through (2, 3) and (3, 2). Find the coordinates of the points at which this line meets the x-axis and y-axis.
- Q6.** Write  $3x + 2y = 18$  in the form of  $y = mx + c$ . Find the value of m and c. Does (4, 3) lie on this linear equation?
- Q7.** Are the points M (– 3, – 4), A (0, 0) and G (6, 8) on the same straight line? Suggest a method to check this without plotting and joining the points.
- Q8.** The midpoints of the sides of triangle ABC are the points D, E, and F. Given that the coordinates of D, E, and F are (5, 1), (6, 5), and (0, 3), respectively, find the coordinates of A, B and C.
- Q9.** Show that the points A (1, 2), B (–1, –16) and C (0, –7) lie on the graph of the linear equation  $y = 9x - 7$ .

**Q10.** For what value of  $p$ , if  $x = 2$ ,  $y = 3$  is a solution of  $(p + 1)x - (2p + 3)y - 1 = 0$ ?

**(i)** Simplify and write the equation in the general form.

**(ii)** Does this line pass through the point  $(-2, 3)$ ? Give justification.

**Q11.** **(i)** If the point  $(4, 3)$  lies on the linear equation  $3x - ay = 6$ , find whether  $(-2, -6)$  also lies on the same line?

**(ii)** Find the coordinate of the point lies on above line

**(a)** abscissa is zero **(b)** ordinate is zero.

**(iii)** If the points  $A(a, b)$  and  $B(b, 0)$  lie on the linear equation  $y = 8x + 3$ . Find the value of  $a$  and  $b$ .

**Q12.** Plot the point  $P(-6, 2)$  and from it draw  $PM$  and  $PN$  as perpendiculars to  $x$ -axis and  $y$ -axis, respectively. Write the coordinates of the points  $M$  and  $N$ .

**Q13.** A city has two main roads which cross each other at the centre of the city. These two roads are along the North–South (N–S) direction and East–West (E–W) direction. All the other streets of the city run parallel to these roads and are 200 m apart. There are 10 streets in each direction.

**(i)** Using  $1 \text{ cm} = 200 \text{ m}$ , draw a model of the city in your notebook. Represent the roads/streets by single lines.

**(ii)** There are street intersections in the model. Each street intersection is formed by two streets — one running in the N–S direction and another in the E–W direction. Each street intersection is referred to in the following manner: If the second street running in the N–S direction and 5th street in the E–W direction meet at some crossing, then we call this street intersection  $(2, 5)$ . Using this convention, find:

**(a)** How many street intersections can be referred to as  $(4, 3)$ .

**(b)** How many street intersections can be referred to as  $(3, 4)$ .

**Q14.** Plot the following points and check whether they are collinear or not:

(i) (1, 3), (-1, -1), (-2, -3)

(ii) (1, 1), (2, -3), (-1, -2)

(iii) (0, 0), (2, 2), (5, 5)

**Q15.** Plot the points A (2, 1), B (-1, 2), C (-2, -1), and D (1, -2) in the coordinate plane. Is ABCD a square? Can you explain why? What is the area of this square?

**Q16.** Plot the points P (1, 0), Q (4, 0) and S (1, 3). Find the coordinates of the point R such that PQRS is a square.

**Q17.** Draw the graph of the equation  $x - y = 4$ . From the graph, find the coordinates of the point when the graph line meets the x-axis.

**Q18.** A computer graphics program displays images on a rectangular screen whose coordinate system has the origin at the bottom-left corner. The screen is 800 pixels wide and 600 pixels high. A circular icon of radius 80 pixels is drawn with its centre at the point A (100, 150). Another circular icon of radius 100 pixels is drawn with its centre at the point B (250, 230). Determine:

- (i) whether any part of either circle lies outside the screen.
- (ii) whether the two circles intersect each other.

**Q19.** Show that  $x = 2$  and  $y = 1$  satisfy the linear equation  $2x + 3y = 7$ .

**Q20.** Draw the graph of  $9x - 5y + 160 = 0$ . From the graph find the value of  $y$  when  $x=5$ .

### **PART B (Project Work)**

- **Group 1 (Roll number 1-8):** Make a treasure hunt using the concept of Cartesian Plane.
- **Group 2 (Roll number 9-16):** Can You Map India? – A Coordinate Adventure  
Guidelines:
  - a. Plot 4 iconic landmarks of India on a model of Map, one in each quadrant and taking India Gate, New Delhi as the origin.
  - b. Use the coordinate plane as your canvas on India's Map with x-axis as Longitude (from Gujrat to Odisha) and y-axis as Latitude (from Kashmir to Tamil Nadu).
  - c. Use distance formula to uncover the farthest landmarks.
  - d. Some interesting facts about Mathematics being a guide to understand the Geography of India.

- **Group 3 (Roll number 17-24):** Stadium Seating – Design a stadium seating plan using the concept of Arithmetic Sequences. (Eg. Different number of seats in each row being applied to the series formula)
- **Group 4 (Roll number 24-31):** Make a board game using the concept of Probability. (Eg. Board games related to use of dice, cards or spinners along with question cards)

**Instructions:**

- The models should accompany a small write up on an A4 size sheet which explains the concept and functioning of the model.
- Prepare a brief presentation of 1 minute to explain your model.

**PART – C (Suggested Activities)**

- Summer Enrichment Challenge:

Have you ever heard about the crossword-style puzzle named KAKURO?

It is played with numbers instead of words. This puzzle is not only fun, but it challenges your logical resonating skills and enhances the basic concepts of Mathematics like Addition, Number sense, and Permutations.

- You can also try the following games/activities:
  - a. Origami – The Japanese art of paper folding to create shapes, animals, and geometric figures using precise folds. It helps in widening your knowledge about Symmetry, Area and Ratios. It is fun to witness a visually flat paper becoming solid shapes. So have fun!
  - b. Cryptarithmic Puzzles – A puzzle where letters replace digits in an arithmetic equation. Your job is to find which digit each letter stands for.
- Online platforms are also available to learn some fun games:
  - a. <https://brilliant.org/> - Interactive Math Challenges
  - b. <https://www.chess.com/> - Play chess online along with interesting puzzles

**SCIENCE**

**1. Prepare a working model on any of the following topic using eco-friendly materials –**

- **Interactive Bohr Model with Data Display (Roll no.1-10)**
- **Moon lander Model (Roll no. 11-20)**
- **Rocket launch simulation system (Roll no. 21-30)**

2. Make a paper/jute bag of size 35 cm × 30 cm using waste paper. Decorate it beautifully and write a quote on sustainability on the front.
3. Do the given worksheet of Chapter-5 Exploring Mixtures and their separations in your notebook. Complete your work in notes register and homework notebooks.

## SOCIAL STUDIES

### 1. Project on Project on: Atmosphere and Climate

 The Earth's atmosphere protects us—but are we protecting it?

#### Guidelines for Submitting the Project

1. The project must be handwritten.
2. The total length of the project must be 30–35 A4 size-coloured sheets.
3. Students can paste coloured pictures relevant to the topic.
4. The project must be presented in the following order:

#### a. Cover Page:

Include title/topic, student's full name, class and section, roll number, school's name, and session.

#### b. Index:

List of contents with page numbers in the format below:

S.No	Topic	Page No.	Teachers Signature

#### c. Certificate and Acknowledgement Certificate

This is to certify that \_\_\_(YOUR NAME IN CAPITALS) of Class XI has worked and completed their Political Science Project File under my guidance and supervision.

This is for ALL INDIA SENIOR SECONDARY SCHOOL CERTIFICATE EXAMINATION (AISSCE)

(SESSION: 2026–2027)

Place: Delhi

Date:

Ms. \_\_\_\_\_

(Social Science Teacher)

Ms. \_\_\_\_\_

(Principal)

**Acknowledgement**

I would like to express my sincere gratitude to my Social Science teacher \_\_\_\_\_ for her valuable guidance and support throughout the course of this project.

I also thank my school principal \_\_\_\_\_ for the opportunity, and my parents and peers for their constant encouragement.

**YOUR NAME**

**d. Subject Matter/Content:**

Include sub-topics with proper headings (see below).

**e. Summary and Conclusion**

**f. Bibliography: Mention books and websites with proper citation.**

**What to Include:**

- What is Atmosphere?
- Layers of atmosphere (with diagram)
- Elements of Climate: Temperature, pressure, wind, humidity
- Factors Affecting Climate: Latitude, altitude, distance from sea
- Climate Zones of the World: Tropical, temperate, polar
- Climate Change : Causes (pollution, deforestation)
- Effects (global warming, disasters)
- Case Study (Real Example): Any one climate-related issue
- What Can We Do?
- Steps to protect environment
- Sustainable practices
- Hand-drawn diagrams (layers of atmosphere)

**Must include:**

- **Graphs (temperature/rainfall)**
- **Maps**
- **Creative charts**

**2. Model Making – Let Your Ideas Take Shape! (According to Roll No.)**

**Roll Numbers 1–4: Paleolithic Age**

**Early humans, stone tools, caves**

**Roll Numbers 5-8: Mesolithic Age**

**Transition phase, small tools, settlements**

**Roll Numbers 9–12: Neolithic Age**

**Farming, domestication, permanent houses**

**Roll Numbers 13–16: Harappan Civilization**

**Town planning, drainage system**

**Roll Numbers 17–20: Egyptian Civilization**

**Pyramids, Nile River, mummification**

**Roll Numbers 20–25: Mesopotamian Civilization**


**Ziggurats, rivers Tigris & Euphrates**

**Roll Numbers 26–31: Chinese Civilization**

**Great Wall, early inventions, river valleys**

**Model Instructions:**

- Make a 3D eco-friendly model
- Show lifestyle, tools, houses, or architecture
- Add labels and short explanations

 **Presentation (Very Important):**

**Be ready to explain:**

- What your model shows
- Key features of each Age/Civilization
- Rubrics: Content, Creativity, Presentation and Punctuality.

**Holidays Homework Submission Guidelines:**

- Last Date: 02.07.2026
- Label everything clearly with Name, Roll Number, and Topic
- All written work must be in your own handwriting—neat and expressive.
- Models should be light, durable, and easy to carry.
- Take care of cleanliness, originality, and eco-friendly material use.

**ARTIFICIAL INTELLIGENCE**

**Instructions:**

- Complete all work in a neat project file
- Use headings, diagrams, and colors
- Submit after holidays

**PART A: AI PROJECT FILE**

**Topic: AI-Based Solution for Real Life Problem**

**1. Introduction**

## **Write about Artificial Intelligence**

2. **Problem Statement** Choose any one problem:

- Traffic management
- Waste management
- School canteen crowd
- Water wastage

3. **AI Project Cycle** Explain all steps:

- Problem Scoping (4Ws: Who, What, Where, Why)
- Data Acquisition
- Data Exploration
- Modelling
- Evaluation

4. **Working of Your AI Model**

**Explain how your AI solution will work**

5. **Diagram**

**Draw a flowchart or model diagram**

6. **Advantages C Limitations** Write 3–4 points each

7. **Conclusion**

**Write what you learned from this project**

## **PART B: Create and Design a Webpage**

**Task:** Students are required to design and create web pages for different school departments.

**Departments to Include:**

- ❖ Science (Roll no. 1-7)
- ❖ English (Roll no. 1-7)
- ❖ Mathematics (Roll no. 8-14)
- ❖ Hindi (Roll no. 8-14)
- ❖ Social Science (Roll No. 15-21)

- ❖ **Computer Science (Roll No. 15-21)**
- ❖ **Sports (Roll No. 22-28)**
- ❖ **Arts (Roll No. 22-28)**
- ❖ **Music (Roll No. 29-31)**
- ❖ **Library (Roll No. 29-31)**

**Content to Include in Each Web Page:**

- 1. Introduction of the Department**
- 2. Faculty Members Details (Name, Designation, Qualification)**
- 3. Achievements & Awards**
- 4. Subjects Taught**
- 5. Activities Conducted**

**Web Page Requirements:**

- **Create 5–6 separate web pages (one for each department)**
- **Include a Home Page with overall introduction**
- **Use images, headings, and proper formatting**
- **Ensure neat and attractive design**

**Tools you can use:**

- HTML-to create web pages**
- CSS-for design and styling**

**Note: You may use imaginary data if real information is not available.**