



Summer Vacation Assignment 2026

CLASS-X

Summer VACATION

Summer's warmth descends upon the land,
School's out, and freedom's in hand.
Long days stretch, and sunshine bright,
A time for fun, for play, for delight.

So, let's bask in summer's golden glow,
And make the most of this break's sweet flow.
For summer vacation's a treasured time,
To relax, recharge, and shine!

NAME _____

ROLL NO. _____



Greetings from NISSS!

Summer Vacation brings with itself a much-needed breather from hectic schedule. It is the most awaited time meant for relaxation and enjoyment, and if this time is utilised for creative pursuits, it becomes a learning experience.

Keeping this in view, we have designed a few exciting fun projects/ assignments to enhance learning skills, help understand concepts better, and make for a great crash course aimed at improving your academic output as well. These assignments will not only help you to revise and reinforce what you have learned in school, but will also enrich your knowledge.

This time we embark on a fascinating journey through the rich cultural tapestry and diverse landscape of vibrant state of India- **Telangana & Haryana**. Get ready to explore the tradition, culture, cuisines, attires, dances, folksongs, history and much more. In a nutshell, the Summer Vacation Assignment has been designed to be a meaningful and creative exercise.

As parents, kindly maintain and lend support to your children and ensure that they complete the given work, well-in-time and to their best ability. Your encouragement can actually make a huge difference to the ultimate learning outcome of these projects.

Important Note:

- Homework must be completed neatly and creatively, in accordance with the given specifications and relevant to the question.
- Parental supervision is advised and required while surfing the internet.
- All the Art Integration Projects of Telangana and Haryana, to be compiled in one common beautifully decorated file folder.
- These projects/ assignments will be assessed as Subject Enrichment Activity to be added in your Portfolio.
- Submit the Summer Vacation Assignment to the Class Teacher within a week of reopening of the school.



A Little Note for Parents

- These projects/ assignments will be assessed as Subject Enrichment Activity to be added in your child's Portfolio.
- Submit the Summer Vacation Assignment to the Class Teacher within a week of reopening of the school.
- Make sure your child has a quiet, well-lit place to do homework.
- Don't let your child do homework with the television on or in places with other distractions, such as mobile phones, people coming and going, etc.
- Make sure the material your child needs, such as paper, pencils and a dictionary, are available.
- Ask your child if special material is required for some projects and get them in advance.
- Help your child with time management.
- Establish a set time each day for doing homework. It will help regulating your child's Body Clock as per the set schedule.
- Be positive about homework.
- Tell your child how important school is. The attitude you express about homework will be the attitude your child acquires.
- When your child does homework, you too do your work.
- Show your child that the skills they are learning are related to things you do as an adult. If your child is reading, you read too.
- When your child asks for help, provide guidance, not answers.
- Giving answers means your child will not learn the material. Too much help teaches your child that when the going gets rough, someone will do the work for him or her.
- Help your child figure out what is hard homework and what is easy homework.
- Ask your child to do the hard work first. The harder a task is, the more energy and focus we need to complete it. Starting the harder tasks when you are tired is more difficult and often results in putting them off for another day.
- Reward progress in homework.
- If your child has been successful in homework completion and is working hard, celebrate that success with a special event (e.g., a morning or evening walk, a trip to the park, star gazing) to reinforce the positive effort.

Best wishes for Happy Holidays!

NISSS Team



ENGLISH

Q.1 MY WORDS' TREASURE

Objective: To learn and enhance vocabulary

Material Required:

- A4 sheets
- Pencil colours, sketch pens
- Black marker

Procedure:

- Search any 2 words from Oxford dictionary daily.
- Write their synonyms, antonyms and their use in any phrase or proverb.

Presentation Instructions:

- Use A4 sheets (3 pages total).
- Write in neat handwriting
- Include headings, underline key terms, and use coloured pens or light decoration for better presentation.
- You may include illustrations or drawings related to time, clocks, past/future scenes, or characters.

Q.2 ART INTEGRATION PROJECT

1.Topic: Voices of Telangana and Haryana: Exploring Famous Authors from Telangana and Haryana.

Write a report on 5 Telangana and Haryana authors:

- Biographical Background
 - Education and Career
 - Major Works
 - Writing Style and Themes
- (a) Content should be of 8-10 pages on interleaf white sheets.
 - (b) Use black gel pen or coloured sketches for headings, blue gel pen for content and well sharpened pencil for tables, margins, or any diagrams.
 - (c) Page1- COVER page, A4 sheet, including topics name, subject, submitted to (subject teacher name) (in left bottom) and submitted by (student's name) in right bottom corner along with class, roll no and session.
 - (d) Page2, CERTIFICATE page, which state that the given information in project is true.
 - (e) Page 3, ACKNOWLEDGEMENT, a thanking note from the student for their helping hands in the project.
 - (f) Page 4, INDEX, covering all the topics with page numbers.

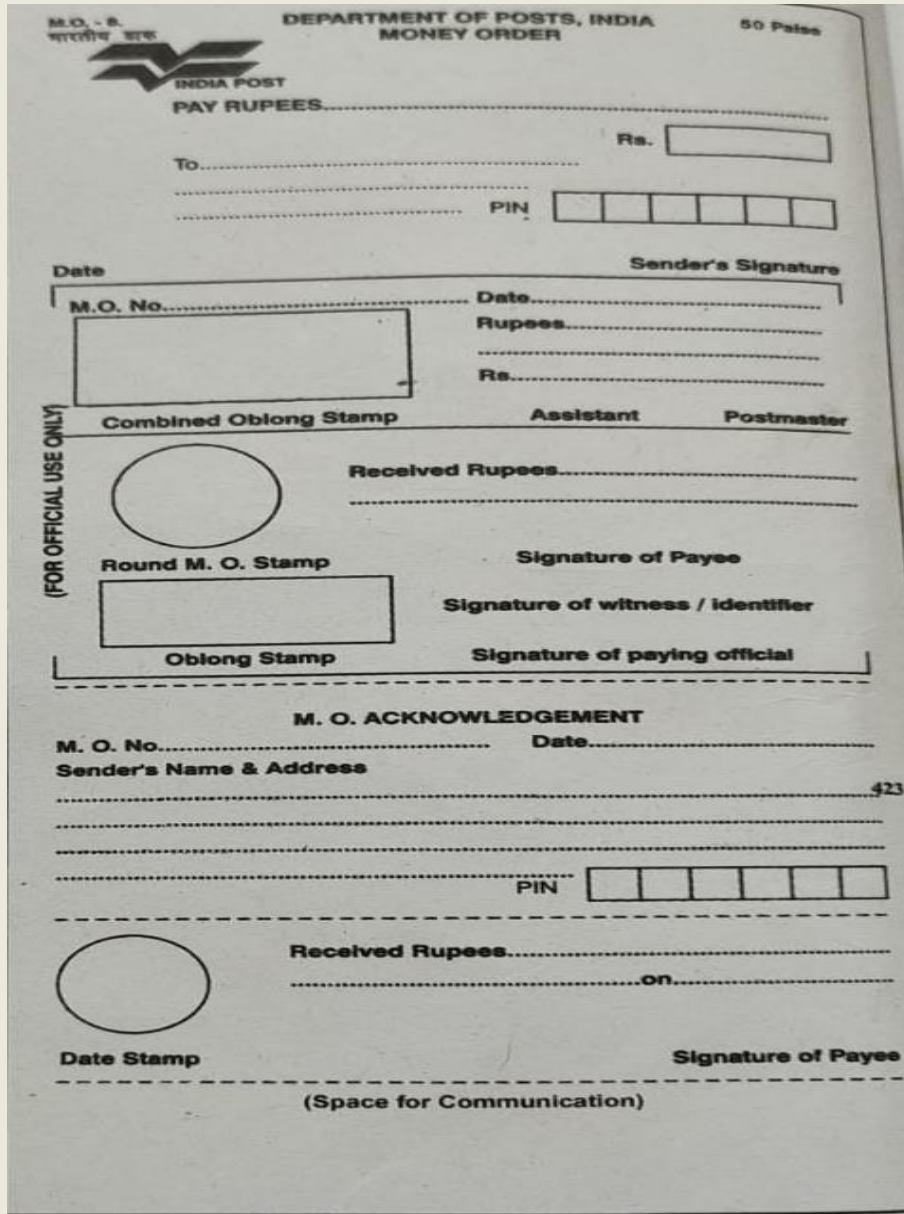
(g) Page 5, onwards required content.

(h) Last page, BIBLIOGRAPHY, which includes brief of all the sources through which the information is being collected.

NOTE- Project should be neat and clean

Q.3 SUBJECT ENRICHMENT ACTIVITY:

Topic: Fill out the money order form given below using the clues that follow the form:



- Think about whom you will send the money to, and how much. You might want to send money for a magazine subscription, or to a relative or a friend.
- Notice that the form has three parts -the money order form, the part for official use and the Acknowledgement. What would you write in the ‘Space for communication’?



Now complete the following sentences:

- (i) In addition to the sender, the form has to be signed by the _____
- (ii) The 'Acknowledgement' section of the form is sent back by the post office to the _____ after the _____ signs it.
- (iii) The 'Space for Communication' section is used for _____
- (iv) The form has six sections. The sender needs to fill out _____ sections and the receiver _____

Q.4 (i) BBC Compacta:

Do Pg Nos. 226 to 249 and Pg Nos 253 to 272 in Module No.4

- (ii) Complete back exercise of Ch-F1, F4, P1, P2 in First Flight book and Ch-1,2,3 in Footprints without Feet book.

HINDI

प्र.1 (क) कबीर के भक्ति भाव के विषय में सम्पूर्ण जानकारी दीजिए। (300 शब्दों में)

निर्देश : मुख्य बिंदु : जन्म, भक्ति की शुरुआत, भक्ति का स्वरूप/भाव, रचनाएं, एक साखी की सप्रसंग व्याख्या, मृत्यु - कार्यपुस्तिका में करें ।

(ख) मीरा के भक्ति भाव के विषय में सम्पूर्ण जानकारी दीजिए । (300 शब्दों में)

निर्देश : मुख्य बिंदु : जन्म, भक्ति की शुरुआत, भक्ति का स्वरूप/भाव, रचनाएं, एक पद की सप्रसंग व्याख्या, मृत्यु - कार्यपुस्तिका में करें ।

बिंदु ध्यान रखें: स्थान, प्रभाव, नुकसान, सुझाव आदि (कार्यपुस्तिका में करें)

प्र. 2 आर्ट इंटीग्रेशन:

विषय: तेलंगाना तथा हरियाणा राज्य के प्रसिद्ध लोक नृत्य की जानकारी चित्रों की सहायता से लिखिए।

उनके जीवन परिचय, प्रमुख रचनाएँ तथा साहित्य में योगदान का संक्षिप्त वर्णन कीजिए।

(क) विषय-वस्तु 8-10 पृष्ठों की होनी चाहिए, जो कि इंटरलीफ सफेद शीट पर हो।

(ख) शीर्षकों के लिए काले जेल पेन या रंगीन रेखाचित्र, विषय-वस्तु के लिए नीले जेल पेन और तालिकाओं, मार्जिन या किसी भी आरेख के लिए अच्छी तरह से नुकीली पेंसिल का उपयोग करें।

(ग) पेज 1- कवर पेज, A4 शीट, जिसमें विषय का नाम, विषय, (विषय शिक्षक का नाम) को प्रस्तुत किया गया (बाएं निचले कोने में) और (छात्र का नाम) द्वारा दाएं निचले कोने में कक्षा, रोल नंबर और सत्र के साथ प्रस्तुत किया गया।

(घ) पेज 2, प्रमाण पत्र पेज, जिसमें बताया गया है कि परियोजना में दी गई जानकारी सत्य है।

(ङ) पेज 3, आभार, परियोजना में मदद करने के लिए छात्र की ओर से धन्यवाद नोट।

(च) पेज 4, अनुक्रमणिका, पृष्ठ संख्याओं के साथ सभी विषयों को कवर करना।

(छ) पेज 5, आगे आवश्यक सामग्री।

(ज) अंतिम पृष्ठ, ग्रंथसूची, जिसमें उन सभी स्रोतों का संक्षिप्त विवरण शामिल है जिनके माध्यम से जानकारी एकत्र की जा रही है।

नोट- परियोजना साफ-सुथरी होनी चाहिए

निर्देश:- मुख्य बिंदु- लोक नृत्य का विस्तृत वर्णन, उत्पत्ति का स्रोत व उसकी वेशभूषा वर्णित करें ।

- मानचित्र की सहायता से दर्शायें की कौन सी उपभाषा का प्रयोग कौन से क्षेत्र में अधिक होता है ।

- A4 शीट का उपयोग करें तथा फाइल के रूप में बनाएं ।

प्र. 3 किसी दो विषय पर विज्ञापन लेखन कार्यपुस्तिका में करें:

* रक्तदान

* सड़क सुरक्षा

* बेटी बचाओ अभियान

* डिजिटल साक्षरता

* पर्यावरण संरक्षण

प्र.4 रचनात्मक लेखन

(निम्नलिखित प्रश्नों को अपनी हिंदी कार्यपुस्तिका में करें)

- (i) कृत्रिम बौद्धिकता (आर्टिफिसियल इंटेलिजेंस) के बढ़ते कदम संकेत बिंदु • क्या है कृत्रिम बौद्धिकता ? • वर्तमान समय में आवश्यकता क्यों ? • सुझाव
- (ii) चुनाव के दिनों में कार्यकर्ता घरों, विद्यालयों और मार्गदर्शक चित्रों आदि पर बेतहाशा पोस्टर आदि लगा देते हैं इस से लोगों को होने वाली असुविधा पर अपने विचार व्यक्त करते हुए ' नवभारत टाइम्स ' पत्र के कालम 'हमारी आवाज ' के लिए पत्र लिखिए ।
- (iii) आपके बैंक खाते में गलती से 5000 रुपये की राशि अधिक आ गयी है इसकी जानकारी बैंक अधिकार को ई-मेल लिखकर दीजिए । (100 शब्दों में)
- (iv) राष्ट्रीय आधुनिक कला संग्राहलय द्वारा आयोजित चित्रकला कार्यशाला से सम्बंधित सूचना पत्र लिखिए ।

MATHEMATICS

Q.1 PROJECT:

Prepare a 3D Model

Topic: Representation of Trigonometric Ratios Using Right-Angled Triangle (Even Roll Nos.)



Objective:

To demonstrate trigonometric ratios (sin, cos, tan) using a 3D right-angled triangle model and show relationship between sides and angles.

Material Required:

- Cardboard or foam board (base)
- Coloured chart papers
- Ruler and protractor
- Wooden sticks / straws
- Thread or wool
- Glue or hot glue gun
- Scissors and marker
- Labels and sticky notes

Steps:

1. Base of the Model:

Take a rectangular cardboard base and cover it neatly.

Draw a coordinate-style setup or triangle stand area.

2. Construct Right-Angled Triangles:

Make a right-angled triangle using cardboard in 3D form.

Example dimensions:

Base = 3 cm, Height = 4 cm, Hypotenuse = 5 cm

Make 2–3 similar triangles of different sizes.

3. Mount the Model:

Fix triangles vertically using straws or folded supports.

Arrange them side by side.

4. Show Trigonometric Ratios:

Use threads to highlight:

Opposite side

Adjacent side

Hypotenuse

Label:

$\sin \theta = \text{Opposite} / \text{Hypotenuse}$

$\cos \theta = \text{Adjacent} / \text{Hypotenuse}$

$\tan \theta = \text{Opposite} / \text{Adjacent}$

5. Angle Highlighting:

Mark angle θ in all triangles with same color.

6. Enhancement:

Add a small chart showing values of \sin , \cos , \tan for 30° , 45° , 60° .

Learning Outcome:

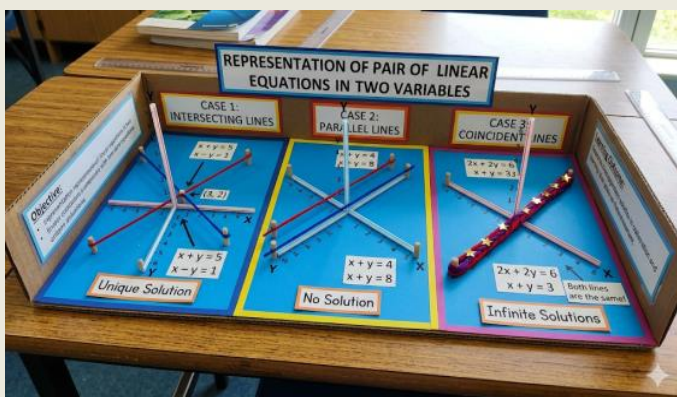
Understanding trigonometric ratios visually

Relationship between sides of right-angled triangle

Concept of similarity in trigonometry

Prepare a 3D Model

2.Topic: Representation of Pair of Linear Equations in Two Variables (Odd Roll Nos.)





Objective:

To show graphical representation of two linear equations and their solutions (unique, no solution, infinite solutions).

Material Required:

- Cardboard base
- Colored chart paper
- Straws or sticks (axes)
- Threads or wires (lines)
- Scale and marker
- Glue and scissors

Steps:

1. Base Setup:

Draw X-axis and Y-axis on cardboard.

Fix straws to make 3D axes.

2. Draw Three Cases:

Case 1: Intersecting lines (one solution)

Case 2: Parallel lines (no solution)

Case 3: Coincident lines (infinite solutions)

Example equations:

$x + y = 5$ and $x - y = 1$ (intersecting)

$x + y = 4$ and $x + y = 8$ (parallel)

$2x + 2y = 6$ and $x + y = 3$ (coincident)

3. Model Representation:

Use colored threads to show each line.

Fix them on base in 3D form.

4. Mark Intersection Points:

Label solution points clearly.

5. Add Explanation Tags:

“Unique solution”

“No solution”



“Infinite solutions”

6. Learning Outcome:

Understanding types of solutions

Graphical interpretation of linear equations

Q.2 ART INTEGRATION PROJECT

Topic: Population Density of Telangana and Haryana

Population density means the number of people living in one square kilometre area. This project will help students compare the population distribution, lifestyle, resources, and development of Telangana and Haryana through creative and artistic activities.

- (a) Content should be of 8-10 pages on interleaf white sheets.
- (b) Use black gel pen or coloured sketches for headings, blue gel pen for content and well sharpened pencil for tables, margins, or any diagrams.
- (c) Page1- COVER page, A4 sheet, including topics name, subject, submitted to (subject teacher name) (in left bottom) and submitted by (student’s name) in right bottom corner along with class, roll no and session.
- (d) Page2, CERTIFICATE page, which state that the given information in project is true.
- (e) Page 3, ACKNOWLEDGEMENT, a thanking note from the student for their helping hands in the project.
- (f) Page 4, INDEX, covering all the topics with page numbers.
- (g) Page 5, onwards required content.
- (h) Last page, BIBLIOGRAPHY, which includes brief of all the sources through which the information is being collected.

NOTE- Project should be neat and clean

Material Required:

- A4 size interleaf sheets / Scrapbook
- Colored papers
- Sketch pens and markers
- Ruler and pencil
- Glue and scissors
- Printouts or hand-drawn pictures
- Graph sheets
- Project Format



Page 1: Cover Page

Write:

- Title: “Population Density of Telangana and Haryana”
- Name
- Class & Section
- Roll Number
- Subject: Art Integrated Project

Decorate the cover page with:

- Map outlines of Telangana and Haryana
- Population symbols like people icons, houses, buildings, etc.

Page 2: Introduction

Write a short introduction on:

- Meaning of Population Density
- Importance of studying population distribution
- How population affects resources and development

Activity 1: State Profile Comparison

Prepare a comparison table.

| Feature | Telangana | Haryana |
|--------------------|-------------------|---------------|
| Capital | Hyderabad | Chandigarh |
| Population | Write latest data | Write latest |
| Area | Write area | Write area |
| Population Density | Write density | Write density |

Decorate the table neatly.

Activity 2: Map Activity

Draw or paste political maps of India and:

- Colour Telangana and Haryana differently
- Mark capitals and major cities
- Show densely populated regions using symbols or shading

Activity 3: Bar Graph / Pie Chart



Using graph sheets:

- Represent population density of both states through:

Bar Graph

Pie Chart

Use different colours and proper labeling.

Conclusion

Write what you learned from comparing Telangana and Haryana and how population affects development and quality of life.

Learning Outcomes

Students will:

- Understand the concept of population density
- Compare two Indian states creatively
- Improve research and presentation skills
- Develop analytical and artistic abilities

Decoration Ideas

- Use state-themed borders
- Draw population symbols creatively
- Use coloured charts and graphs
- Add miniature maps and icons for better presentation

Q.3 SUBJECT ENRICHMENT ACTIVITY

Topic: Polynomial Story Problem.

Create any 5 real-life word problems based on polynomials and solve them step-by-step in your Maths notebook.

Examples of situations you may use:

- Area of a garden
- Perimeter of a playground
- Shopping cost expressions
- Speed and distance problems
- Age-related expressions



For each question:

- Write the polynomial expression
- Simplify or solve it properly
- Show complete working
- Draw related diagrams wherever possible

Use colours, headings, and proper Mathematical presentation.

Q.4 Write all the formulas and theorems of all the chapters (done in the class) in Math notebook.



SCIENCE

Q.1 PROJECT (3D MODEL)

1. Topic: Solar Cooker 3D Working Model (EVEN ROLL NOS)

Objective: Enhances understanding of scientific concepts but also equips them with essential skills such as creativity, problem-solving, practical application, and effective communication.

Material Required:

- Coloured Papers
- Threads
- Glue Gun
- Glue Sticks
- Scissors
- Cutter
- Fevicol (Craft Glue)
- Paint Set
- Paint Brushes
- Robo DC Motor (optional for rotating base)
- DC Motor
- DC Water Pump (optional add-on demo)
- Switch
- Cardboard sheet / thermocol base (for structure)
- Aluminium foil (for reflecting sunlight)
- Small plastic box or container (for cooking chamber)

Procedure:

Step 1: Make the Base

- Take a strong **cardboard or thermocol sheet**.
- Cut it into a square or rectangular base.
- Cover it using **colour paper or paint** for finishing.

Step 2: Create the Cooking Chamber

- Use a **small cardboard box** as the cooking chamber.
- Paint the inside black (black absorbs heat better).
- Cover the outer sides with decorative paper.

Step 3: Make Reflector Panels

- Cut **cardboard pieces into 3–4 triangular or rectangular panels**.
- Cover them with **aluminium foil** (this reflects sunlight).
- Attach panels around the cooking chamber like a foldable lid or pyramid structure.

Step 4: Assemble Structure

- Fix all reflector panels using **glue gun + Fevicol**.
- Ensure all panels are angled inward toward the cooking box.
- Reinforce joints using **threads or extra cardboard strips**.

Step 5: Add Rotating Base (Optional Upgrade)

- Attach a **DC motor** under the base.
- Connect it with a **switch and battery**.
- This helps the model rotate to follow sunlight direction.

Step 6: Electrical Add-ons (Optional Demo Features)

- You can connect:
 - DC motor for rotation
 - Water pump (to show heat-based simulation system)
- Use switch to control ON/OFF function.

Step 7: Painting & Decoration

- Paint outer structure neatly.
- Label parts like:
 - Reflector
 - Cooking chamber
 - Solar absorption area
- Add small flags or charts explaining working.



(Note: the above images are for reference purpose only. Use your own creativity.)

2. Topic: Heart 3D Working Model (ODD ROLL NOS)

Objective:

- To understand and demonstrate how human heart function using syringe demonstration
- using a working or visual model to show the structure and function of heart, and pumping of blood throughout the body

Material Required:

- 4 Syringes (10 ml or 20 ml, without needles)
- Transparent plastic pipes / rubber tubes
- Cardboard or sheet (base)
- Red and blue colored water (to represent oxygenated & deoxygenated blood)
- Glue gun / Fevicol
- Scissors
- Cutter
- Coloured paper / paint (for decoration)
- 1–2 small plastic bottles (optional reservoir for water)
- Labelled chart paper (heart chambers)
- Tape or thread for fixing tubes

Procedure:

(a) Prepare the Base

(b) Prepare Syringe Pumps

- Take 4 syringes.

• **Fill:**

- 2 syringes with **blue water** (deoxygenated blood)
- 2 syringes with **red water** (oxygenated blood)

- Ensure syringes move smoothly.

(c) Connect Tubes

(d) Assemble Heart Structure.

(e) Create Blood Flow System.

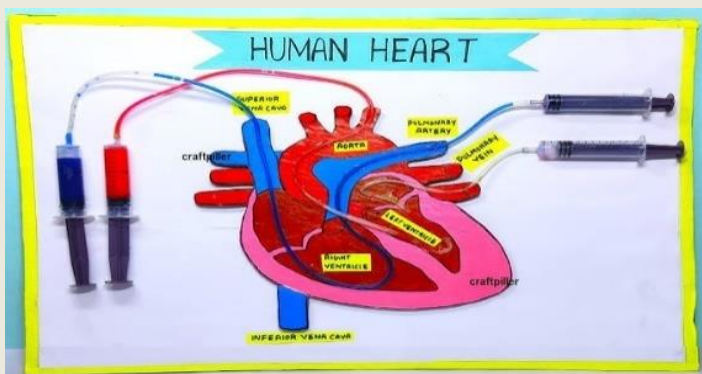
(f) Working Mechanism Setup

- When you **push a syringe plunger**, water moves through tubes.

- This simulates:

- Heart contraction (pumping blood)
- Heart relaxation (filling blood)

(g) Decoration & Labelling



(Note: the above images are for reference purpose only. Use your own creativity)



Q.2 ART INTEGRATION PROJECT:

TOPIC: Write about at least 5 sources of electricity in Telangana and Haryana States.

- (a) Content should be of 8-10 pages on interleaf white sheets.
- (b) Use black gel pen or coloured sketches for headings, blue gel pen for content and well sharpened pencil for tables, margins, or any diagrams.
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NOTE- Project should be neat and clean

Objective:

- (i) To study the different sources of electricity in Telangana and Haryana.
- (ii) To understand the importance of renewable and non-renewable sources of energy.

Procedure:

- (a) Collect information about electricity generation in Telangana and Haryana from textbooks, newspapers, and internet sources.
- (b) Identify the different sources of electricity used in both states.
- (c) Write the name and type of each electricity source.
- (d) Compare renewable and non-renewable sources of energy.
- (e) Prepare a short report with examples from both states.

Q.3 OBSERVATION BASED:

SUBJECT ENRICHMENT ACTIVITY:

Topic: Observe nature of daily used material and classify as acid base and salt.

(NOTE -To be done in: Science Notebook)

Objective:

- (i) To help students identify common household substances and classify them as acids, bases, or salts.



- (ii) Understand the chemical properties and everyday applications of these substances.
- (iii) Develop practical skills in using indicators and conducting simple experiments to determine the nature of substances.

Procedure:

(a) Selection of Materials:

Choose a variety of substances commonly found at home

- Classification Criteria: Use the following properties to classify each substance:
- Taste: Acids taste sour; bases taste bitter; salts have a salty taste.
- Touch: Bases feel slippery; acids and salts do not.
- Litmus Test: Acids turn blue litmus paper red; bases turn red litmus paper blue; salts do not change the colour of litmus paper.
- pH Measurement: Acids have a pH less than 7; bases have a pH greater than 7; salts have a pH close to 7.

(b) Experimental Procedure:

- Prepare Litmus Paper: Obtain red and blue litmus papers.
- Test Substances: Dip a piece of red litmus paper into the substance.
- Observe any colour change.
- Repeat with blue litmus paper.

(c) Record Observations:

Note the colour changes and categorize the substance accordingly.

(i) Project should be done neatly.

(ii) You can draw your observation table as follows

| S.No. | Substance Used | Oservation | Litmus Test | Inference |
|-------|----------------|-------------------|-------------|-----------|
| 01. | Vinegar | Sour smell &taste | Blue to Red | Acid |
| 02 | Baking Soda | Soapy in touch | Red to Blue | Base |

(Note: Above table is for reference purpose only. Use your own observation)

Q.4 Make all labelled diagrams of Chapter-1,5,9 and 10 in your Science notebook.

SOCIAL SCIENCE

Q.1 INTERDISCIPLINARY PROJECT:

1. Topic: The Making of Global world (EVEN ROLL NO.s)



Objective:

- To understand how the world became interconnected over time.
- To study the role of **trade, migration, and technology** in globalisation.
- To learn about historical developments like the **Industrial Revolution** and **World War II** in shaping the modern world.
- To analyze the impact of globalisation on different countries, especially India.
- To develop research, presentation, and creative skills through project work.

Material Required:

For Written Project / File

- A4 size sheets or project file
- Pen (blue/black)
- Pencil and eraser
- Ruler
- Sketch pens / highlighters
- Glue / Fevicol
- Printed pictures (trade routes, maps, industries, etc.)
- Map of the world

Procedure:

1. Read the chapter and understand topics like trade, migration, Industrial Revolution, World Wars, and globalisation.
2. Collect information, maps, and pictures .
3. Prepare the project file in this order:
 - Cover Page
 - Index



- Introduction
- Main Topics
- Conclusion
- Bibliography

4. Write important points under headings such as:

- Early Trade Routes
- Industrial Revolution
- Colonisation and Migration
- World Wars
- Globalisation and India

5. Paste pictures, maps, and charts to make the project attractive.

6. Decorate neatly using colours and headings.

7. Check spelling, page numbers, and cleanliness before submission.

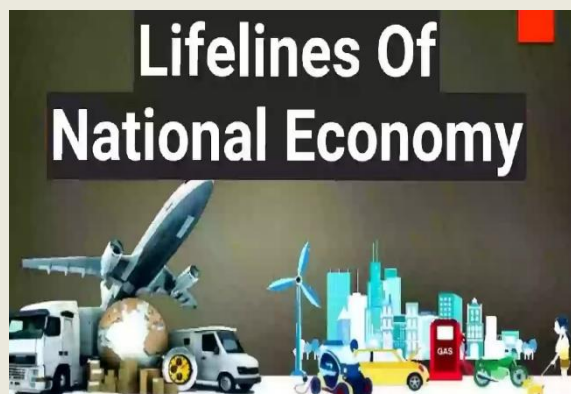
Tip

Include:

- Timeline of globalisation
- Map showing **Silk Routes**
- Key events and examples
- A short conclusion on its impact today

3. **Topic:** Create a model or a digital presentation of India's Golden Quadrilateral,

showing how it connects major industrial, agricultural, and cultural centers. **(Odd Roll No)**



Objective:

- To understand the importance of the Golden Quadrilateral in connecting major cities of India.
- To identify how it links industrial, agricultural, and cultural centers.
- To analyze its role in boosting trade, transport, and economic development.
- To develop creativity through model-making or digital presentation.



Material Required:

For Physical Model

- Cardboard base
- Coloured paper or chart paper
- Sketch pens / markers
- Glue / Fevicol
- Scissors
- Small toy vehicles (optional)
- Thread or coloured tape (to show highways)
- Printed or hand-drawn map of India
- Labels or stickers for cities

Procedure:

- Collect information and a map of the Golden Quadrilateral.
- Mark Delhi, Mumbai, Chennai, and Kolkata on the map.
- Show industrial, agricultural, and cultural centres connected by it.
- Make a model or digital presentation using colours and pictures.
- Add a short note on its importance in transport and trade.

Tip

Highlight the four major cities connected:

- Delhi
- Mumbai
- Chennai
- Kolkata

And show examples of:

- Industrial centres (Mumbai, Delhi)
- Agricultural regions (Punjab, Haryana)
- Cultural hubs (Kolkata, Chennai)

Q.2 ART INTEGRATION PROJECT

Make a Project Report of Physical Features of Telangana and Haryana PHYSICAL FEATURES OF TELANGANA AND HARYANA

- (a) Content should be of 8-10 pages on interleaf white sheets.
- (b) Use black gel pen or coloured sketches for headings, blue gel pen for content and well sharpened pencil for tables, margins, or any diagrams.



- (c) **Page1-** COVER page, A4 sheet, including topics name, subject, submitted to (subject teacher name) (in left bottom) and submitted by (student's name) in right bottom corner along with class, roll no and session.
- (d) **Page2,** CERTIFICATE page, which state that the given information in project is true.
- (e) **Page 3,** ACKNOWLEDGEMENT, a thanking note from the student for their helping hands in the project.
- (f) **Page 4,** INDEX, covering all the topics with page numbers.
- (g) **Page 5,** onwards required content.
- (h) Last page, BIBLIOGRAPHY, which includes brief of all the sources through which the information is being collected.

NOTE- Project should be neat and clean

Objective:

To study the physical features of Telangana and understand the importance of its rivers, plateaus, hills, forests, and soil in the development of the state.

Material Required:

- A4 size sheets/file
- Pencil and eraser
- Colours/sketch pens
- Glue and scissors
- Pictures or map of Telangana
- Ruler and black pen

Procedure:

- Collect information about the physical features of Telangana from books and the internet.
- Write the introduction and objective of the project.
- Draw or paste a map of Telangana.
- Describe the major physical features such as plateaus, rivers, hills, forests, and soil types.
- Add pictures related to rivers, forests, and important landforms.
- Use headings, colours to make the project attractive.
- Check the spellings and presentation neatly.

Q.3 SUBJECT ENRICHMENT ACTIVITY:

1. **Topic:** Federalism – Powers of Union and State Governments

Objective:

To understand the division of powers between the Union Government and State Governments in India.

Material Required:

- Chart paper
- Sketch pens/colours



- Scale and pencil
- Pictures/symbols of Parliament, State Assembly, etc.

Content:

- Federalism is a system of government in which powers are divided between the Central Government and State Governments.

| Union Government Powers | State Government Powers |
|-------------------------|-------------------------|
| Defence | Police |
| Foreign Affairs | Agriculture |
| Currency and Banking | Public Health |
| Railways | Local Government |
| Communication | Irrigation |
| Citizenship | Trade within State |
| National Highways | State Transport |

Division of Powers in India

Three Lists in the Indian Constitution

1. Union List

Subjects of national importance handled only by the Central Government.

Examples:

- Defence
- Banking
- Currency
- Foreign Affairs

2. State List

Subjects handled mainly by State Governments.

Examples:

- Police
- Agriculture
- Public Health
- Irrigation

3. Concurrent List



Both Central and State Governments can make laws.

Examples:

- Education
- Forests
- Trade Unions
- Marriage

Key Features of Federalism

- Two levels of government
- Division of powers
- Independent judiciary
- Written Constitution
- Supremacy of Constitution

Conclusion:

Federalism helps in maintaining unity while giving power to states for local governance and development.

Learning Outcome:

Students understand how powers are shared between Union and State Governments in India.

(Solve the given worksheet in Social-Science notebook)

Q.4 MAP

A. On the given map of India, mark and locate:

- A place associated with the calling off the Non- Cooperation Movement.
- Place associated with the Civil Disobedience movement.
- A place associated with the movement of Indigo planters.
- 4.Jallianwala Bagh incident.
- 5.A place associated with the cotton mill workers satyagraha.
- 6.A place associated with peasant satyagraha.
- Congress Session- September 1920
- 8.Congress Session – 1927
- Congress Session- December 1920
- Name the place where the Session of Indian National Congress was held in 1927.
- Name the place where Gandhiji broke the Salt Law.
- 12.The place where the session of Indian National Congress was held in 1920
- The place where Gandhiji started Dandi March.

B. On the given outline map locate the major soil of India:

- 1.Mountain soil.
- 2. Alluvial Soil

- Red Soil.
- 4.Black Soil
- 5.Laterite soil
- 6.Desert Soil.

C. On the given outline map of India, locate and label the following dams:

- 1.Salal
- 2.Bhakra Nangal
- 3.Tehri
- Rana Pratap Sagar
- Sardar Sarovar
- Hirakund
- 7.Nagarjuna Sagar
- Tungabhadra.