

SOMERVILLE SCHOOL, VASUNDHARA ENCLAVE, DELHI
HOLIDAY HOMEWORK

CLASS: VII

SESSION 2024-25

S.NO.	SUBJECT	DETAIL
1	ENGLISH	Art Integration & Worksheet
2	HINDI	Art Integration & Worksheet
3	SANSKRIT	Art Integration & Worksheet
	FRENCH	Art Integration & Worksheet
	GERMAN	Art Integration & Worksheet
4	MATHEMATICS	Art Integration & Worksheet
5	SCIENCE	Art Integration & Worksheet
6	SOCIAL SCIENCE	Art Integration & Worksheet
7	ARTIFICIAL INTELLIGENCE	Art Integration

ART INTEGRATED PROJECT - MAGAZINE

Are you intrigued by the mesmerizing beauty and rich cultural heritage of the **Andaman and Nicobar Islands or Lakshadweep**? Here's your chance to showcase your creativity and knowledge by creating a captivating magazine about these enchanting islands. From highlighting top attractions and adventure activities to delving into the unique biodiversity, local traditions, historical attractions and geography of the island groups, your magazine will be the ultimate guide for fellow travellers.

Choose any one island group and create a magazine for the island. Unleash the hidden artist in you. Number the pages of the magazine as below:

COVER PAGE:

INDEX:

PAGE 1: SOCIAL SCIENCE

Start with highlighting the diverse cultural heritage of the islands, including the indigenous tribes such as the Great Andamanese, Jarawas, and Sentinalese, as well as influences from settlers and migrants. Highlight significant historical sites such as Cellular Jail, Ross Island, and Viper Island, exploring their historical significance and cultural heritage and geography

of the island groups including the location, topography and climate. Display a well drawn map of the islands selected.

PAGE 2: ENGLISH

- In the form of an interview, create a dialogue showcasing a conversation that unfolds between a native of the Andaman and Nicobar Islands and a curious tourist eager to learn about their culture and way of life.
- Write a descriptive paragraph in 100-120 words, giving the readers a glimpse of the diverse handicrafts and jewellery of the Andaman and Nicobar Islands. Attach pictures of the same.

PAGE 3: HINDI

पोस्टर रचना - अंडमान निकोबार जेल में कैद किए गए किन्हीं दो (काला पानी) स्वतंत्रता सेनानियों का चित्र सहित परिचय व देशभक्ति नारा लिखिए ।

- **सामग्री - A-3/A-4 पेस्टल शीट का प्रयोग करें ।**

PAGE 4: SANSKRIT

अण्डमान- निकोबार या लक्षद्वीप के किन्ही 5 द्वीपों के चित्र लगाकर उनका नाम लिखो एवं उनका वर्ण-विच्छेद करो ।

यह कार्य A4 साइज की CRAFT SHEET पर करना है ।

PAGE 5: FRENCH

Préparez un collage sur îles de LAKSHDEEP sous le thème :

- La nourriture
- Le festival

(Make a collage on Lakshdeep Island under the theme of food and festival on A4 size sheet.)

PAGE 6: GERMAN

eine Fotocollage machen

Mach eine Collage über die Andamanen und Nikobaren- Inseln und Schreib einen Satz. Die Stichpunkte sind:

- Berühmte Feste
- Kulturelles Essen

PAGE 7: MATHEMATICS

A holiday in the Andaman and Nicobar Islands promises an escape into a world of pristine beaches, lush greenery, and captivating marine life. Located in the Bay of Bengal, this tropical paradise boasts unparalleled natural beauty and rich cultural heritage. You can explore the capital city, Port Blair, where you can visit historic sites like Cellular Jail. Dive into the vibrant underwater world with snorkelling and scuba diving at Havelock Island, home to the famous Radhanagar Beach, renowned for its breathtaking sunsets. Explore the dense mangrove forests and spot exotic bird species at the Mahatma Gandhi Marine National Park. For the adventurous souls, indulge in water sports like kayaking, jet skiing, and parasailing.

1. Create a brochure on an A-4 size sheet for Andaman and Nicobar Island. The brochure must include the sight-seeing of minimum 5 monuments, adventure activity and beaches. (Sample pics for brochure are given below)



2. Prepare a budget for the family trip to Andaman and Nicobar Islands on an A4- size sheet calculating:
 1. Cost of flight tickets.
 2. Stay in a hotel.
 3. Miscellaneous Expenses including entry tickets to monuments, charges of adventure activities etc.

PAGE 8: SCIENCE

- ⇒ **Lakshadweep Marine Museum**, located in the capital city of Kavaratti, is a fascinating treasure trove of marine life and ecological wonders. It offers a captivating journey into the Arabian Sea's underwater realm and allows visitors to explore and appreciate its rich marine biodiversity. The waters around the islands are home to over 600 species of marine fishes, 78 species of corals, 82 species of seaweeds, 52 species of crabs, 2 species of lobsters, etc.
- ⇒ **Samudrika Naval Marine Museum** is a Port Blair based tourist attraction located in the Andaman and Nicobar Islands, also known as Fisheries Museum. The Indian Navy runs the museum and it stores as many as five galleries representing history, geography, anthropology and marine life of the islands. There is also a small zoo that is home to saltwater crocodiles in Haddo of the Andaman Islands. There are a number

of informative installations on the island's ecosystem, plants, animals, tribal communities, marine life, etc.

Imagine that you have visited **one** of these museums. Beautifully depict the marine life of either of the UTs on an A3 size cardboard. You can use materials of your choice such as light clay, origami sheets, crayons, pictures and even waste materials. Let your creativity be at its best. Take a picture of this, paste it on an A4 size-sheet and make it a part of your magazine.

PAGE 9: ARTIFICIAL INTELLIGENCE

Write the HTML code to design a webpage on Lakshadweep with the following properties:

1. Give appropriate title to the page.
2. Headings to be given before each paragraph.
3. Insert an appropriate image as a background of the web page.
4. After every paragraph there should be a line across the page in the font colour of the paragraph.
5. The page should have the information in paragraphs each of which is in different colour and alignment and different paragraphs with the topics:
 - Culture
 - Food
 - Flora and Fauna

WORKSHEETS

Subject: English

1. Read the passage given below.

1. It is funny how you never actually get to do what you desperately want to do. Like the other day,

I wanted chilled water and found out that my five-year-old fridge had failed me. Now you know how it feels when the heat roasts you and all you want is to gulp down icy water, but I found none and had to make do with tepid water. I tried to figure out what was wrong. The electricians arrived and found out that the compressor had fused and had to be replaced. The dealer told me that it would take three or more days to replace it.

2. This meant that I would have to make do with tepid water in this roasting weather. Each time I prepared my *sherbet* with a fresh lemon and mint, nothing seemed sweeter to me than those ice-cubes that I had always taken for granted. In the sultry evenings, when I came home tired and thirsty, I would carry home plenty of chilled water bottles from the market. But they did not last. Eventually, I gave up.

3. One evening, as I sat holding a warm cola in my hand, I was suddenly ashamed of all the silly arguments I had with the dealer for his delay in replacing the compressor. The WHO estimates that almost one million Indian children die due to unsafe drinking water and as many as 220 million Indians do not even have access to safe drinking water! Slowly, as the real picture sank in, I began to feel small. Here, I am drinking purified water and acting as if my world was collapsing. It does not matter anymore if the dealer takes the entire summer

mending my compressor. And as I nursed my warm *sherbet* in the heat of the day, I thanked my stars that I could drink clean water whenever I felt thirsty.

1.1. Answer the following questions:

- a) Why didn't the writer get to do what he desperately wanted to?
- b) State the reasons why the writer craved chilled water.
- c) What assurance was given by the dealer?
- d) As per the WHO, state the effect of unsafe drinking water on children.
- e) Explain why the writer was ashamed of himself.

1.2. On the basis of your understanding of the passage, choose the right option to answer the following questions: (Write the complete answer)

- a) The antonym of 'lukewarm' in Paragraph 3 is:
 - i. sultry
 - ii. tepid
 - iii. chilled
 - iv. roasted

- b) The synonym of 'substituting' in Paragraph 4 is:
 - i. collapsing
 - ii. holding
 - iii. replacing
 - iv. purifying

2. Write a paragraph in not more than 80-100 words about an educational trip to the Meteorological Department. You must include the following clues:

- house of knowledge
- weather forecasting
- a thrilling experience

3. Identify the following sentences as Declarative, Imperative, Exclamatory or Interrogative:

- a) Do you love reading storybooks?
- b) Never tell lies.
- c) The Earth revolves around the Sun.
- d) Alas! We lost the trophy.

4. Fill in the blanks using the correct form of verb.

- a) Rita ___ a mile every day. (run/runs)
- b) The dogs ___ all night now. (barks/bark)
- c) In the story, the cat ___ the snake. (catch/catches)
- d) We ___ in the park in the evenings. (play/plays)

5. Answer the following questions:

- a) In the poem '*Travel for Fun*', why does the poet wish to travel to China and Egypt?

- b) In the chapter 'Reaching the Top of the World', you read how Poorna managed to climb Mount Everest. Do you think mountaineering is an easy profession to pursue? Give reasons for your answer.
- c) In the chapter 'A Pump that Made a Difference', you read how Himmat managed to install a booster pump in his school. If you were in place of Himmat, describe how you would have solved this crisis of water scarcity.

NOTE: The worksheet is to be done on ruled A4 sheets.

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Subject: Hindi

निर्देश –

- लेख सुंदर व स्पष्ट होना चाहिए |
- उत्तर नीले पेन से लिखें |

प्र०1. वर्ण के कितने भेद हैं ? नाम लिखिए |

उ० -----

प्र०2. 'समर्थ' शब्द का वर्ण-विच्छेद कीजिए -

उ० -----

प्र०3. संयुक्त व्यंजन कौन-से होते हैं ? सभी से एक-एक शब्द बनाकर लिखिए |

उ० -----, -----, -----,

प्र०4. व्यंजन के भेद स्पर्श, अंतःस्थ और ----- हैं |

प्र०5. शब्द के लिए वाक्यांश लिखिए -

उ० धर्मनिष्ठ - -----

प्र० 6. रेखांकित शब्दों के स्थान पर एक शब्द लिखकर वाक्य दोबारा लिखिए –

मन में होने वाला ज्ञान कभी काम नहीं आता उसे प्रयोग करना होता है |

उ० ----- |

प्र०7. गोकुल और गोविंद क्या-क्या काम करते थे ?

उ० -----

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प्र०8. पक्षी आज़ाद रहकर क्या करना चाहते हैं ?

उ० -----

----- |

प्र०9. लेखक ने हिमालय को पिता व समुद्र को दामाद क्यों कहा है ?

उ० -----

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प्र०10. 'नदियों का महत्व' विषय पर 50-60 शब्दों में अनुच्छेद लिखिए।

उ० -----



Subject: Sanskrit

***कार्यपत्रिका का प्रिंट लेकर उसी पर उत्तर लिखें ।**

प्रश्न 1. पठित-नाट्यांशं पठित्वा प्रश्नान् उत्तरत -

कणिका - त्वं तत्र केन सह गमिष्यसि ?

लतिका - अहं तत्र दीपिकया सह गमिष्यामि ।

कणिका - किम् दीपिका अपि तत्र आगमिष्यति ?

लतिका - आम् , सा अपि तत्र आगमिष्यति ।

कणिका - त्वं तत्र कां क्रीडां क्रीडिष्यसि ?

लतिका - वयम् सर्वाः बालिकाः तत्र कन्दुकेन क्रीडिष्यामः ।

कणिका - त्वं कदा गृहम् आगमिष्यसि ?

लतिका - अहं षड्वादने उद्यानं गमिष्यामि सप्तवादने च गृहं आगमिष्यामि ।

(क) एकपदेन उत्तरत -

(1) लतिका कया सह उद्यानं गमिष्यति?

(2) लतिका षट्वादने कुत्र गमिष्यति?

(ख) पूर्णवाक्येन उत्तरत -

(1) सर्वाः बालिकाः केन क्रीडिष्यन्ति ?

(2) लतिका कदा गृहम् आगमिष्यति ?

(ग) भाषिक-कार्यम् -

(1) "गमिष्यति" अस्य विलोमपदं लिखत ।

(2) 'क्रीडिष्यसि'-अत्र कः लकारः, कः च पुरुषः?

उत्तर (क) (1)

(2)

(ख) (1)

(2)

(ग) (1)

(2)

प्रश्न 2- वर्ण संयोजनं विभाजनं वा कुरुत-

1) ऋषिः

2) क्+अ+क्+ष्+आ+स्+उ

प्रश्न 3- संख्यावाचीपदैः रिक्तस्थानानि पूरयत-

1) सरोवरे -----कलमानि विकसन्ति | (20)

2) तत्र -----सिंहो अवसताम् | (2)

3) उद्याने ----- बालिकाः सन्ति | (4)

4) बालाः ----- पादपाः आरोपयन् | (23)

प्रश्न 4- संवादपूर्तिं कुरुत-

काकः - त्वं कः असि?

पिकः - अहं पिकः अस्मि।

काकः - त्वं किं करोषि?

पिकः - अहं _____।

काकः - त्वं कुत्र कूजसि?

पिकः - अहं _____ कूजामि।

काकः - त्वम् अपि कृष्णः अहमपि कृष्णः। अत्र कः _____?

पिकः - भेदः प्रत्यक्षं भविष्यति।

काकः - तत् कथम्?

पिकः - अहं _____ मधुरं कूजामि। परं त्वं तु सदैव 'का-का' एव करोषि। तव ध्वनिः मधुरा नास्ति।

काकः - कथं विस्मरसि? अहं प्रतिदिनं _____ सुप्तान् जागरयामि।

पिकः - एतत् कार्यं तु _____ अपि करोति।

काकः - अलं _____। परस्परं स्नेहः कर्तव्यः।

पिकः - भवतु। आवाम् _____ स्वः।

मञ्जूषा - आम्रवृक्षे, प्रातः, विवादेन, घटिका, मित्रे, भेदः, वसन्तकाले, कूजामि

(1)

(4)

(7)

(2)

(5)

(8)

(3)

(6)

प्रश्न 5- शब्दार्थं मेलयत-

1) तत्

माता को

- | | |
|------------|-------|
| 2) सर्वाः | दो थे |
| 3) अम्बाम् | सब |
| 4) आस्ताम् | वह |

प्रश्न 6- लकार परिवर्तनं कुरुत-

1) पिता पुत्राय पुस्तकं यच्छति । (लृट् लकारे)

2) गजौ शनैः शनैः चलतः । (लङ्ग लकारे)

प्रश्न 7- शुद्धं संस्कृतपर्यायं चिनुत -

1) सबने पकाया – अपचत्/ अखादत्/ अपचन्/ अखादन्

उत्तर-

2) सात बजे- षड्वादने/ सप्तवादने/ वादनेअष्ट/ सप्त


उत्तर-

प्रश्न 8- प्रश्ननिर्माणं कुरुत -

1) आम्, संस्कृतं मह्यम् रोचते ।

2) श्रेया कवितां स्मरति ।

Subject: French

1.	<p>Lisez le passage et répondez aux questions:</p> <p>Priyanka habite en France avec sa famille . Dans sa famille ,il y a quatre membres. Son père ,sa mère,son frère et elle. Elle a treize ans . Elle est dans la classe sixième. Elle est intelligente. Elle est belle . Son père est grand et intelligent. Sa mère est mince et belle. Son frère est petit et mince. Il a onze ans. Il est dans la classe quatrième.</p> <p>a) Dites vrai ou faux:</p> <p>1) Priyanka habite en Allemagne.</p> <p>2) Son frère est grand.</p> <p>3) La mère est grosse.</p> <p>4) Le frère de Priyanka est dans la classe quatrième</p> <p>b) Remplissez les blancs avec le mot dans le text: (Choose the suitable word from the text)</p> <p>1) Ilans.</p> <p>2) Il habite avec</p>
2.	<p>Décrivez l'image</p> 

	Les mots clés: (grand ,yeux bruns,fort ,blonds,mince,raids,beau)	
3.	Écrivez en français.	
1)	How are you?	
2)	I am fine.	
3)	It's ok!	
4)	Thank you!	
5)	Have a nice day!	
4.	Conjugez les verbes au présent: (conjugate the verbs)	
1)	Nous beaucoup.(chantons)	
2)	Elle..... Anglaise.(parler)	
3)	Vousau restaurant.(aller)	
4)	Tuune voiture rouge.(avoir)	
5.	Écrivez en français: (Write in French)	
1)	We have two hands.	
2)	She is tall.	
3)	Her hairs are straight.	
4)	Louvre museum is in Paris.	
6.	Remplissez les blancs: (Fill in the blanks)	
1) est un musée en France.(museum)	
2) est un monument en France.	
3)est un fromage (cheese) en France.	
4)	Le Beaujolais est un français.	
7.	Mettez le pronom personnel	

1) as des cheveux courts.	
2)parlez anglais.	
3)sommes petits.	
4)chante la chanson.	
8.	Répondez aux questions:	
1)	Nommez :	
a)	La monnaie unique européenne	
b)	Le fromage français	
c)	Un couturier français	

Subject: German

1.	<p>Ergänzt!</p> <p>Servus! Ich bin Frau Meier. Seh mal....Was habe ich heute zu Hause? Ich habe Bananen und Orangensaft in der Küche. Ich brauche den Apfelsaft. Aber ich habe keine Milch zu Hause. Ich habe auch keine Butter. Ich möchte auch Marmelade kaufen. Brot habe ich auch zu Hause. Und ich brauche noch Joghurt für die Kinder. Kaffee haben wir auch noch da. Hm. Eier? Eier sind noch genug im Kühlschrank. Ich brauche keine Eier. OK, jetzt gehe ich einkaufen (to shop).</p> <p>Frau Huber geht einkaufen.</p> <p><u>Was braucht sie?</u></p> <ol style="list-style-type: none"> 1. Frau Huber braucht Milch. 2. _____. 3. _____. 4. _____. 5. _____.
2.	<p>Ergänzt: ein / eine / einen:</p> <ol style="list-style-type: none"> 1. Ich kaufe _____ Lineal. 2. Wir essen _____ Birne und _____ Apfel. 3. Was nimmst du? _____ Schokolade? 4. Martina sucht _____ Kugerschreiber.

3.	<p>Schreib die Adjektiv:</p> <ol style="list-style-type: none"> 1. Erich findet English _____. (easy) 2. Stefanie findet Geschichte _____. (boring) 3. Markus findet Wissenschaft _____. (interesting) 4. Lena findet Biologie _____. (difficult) 																		
4.	<p>Schreib die Konjugation von „nehmen“ und „suchen“:</p> <ol style="list-style-type: none"> 1. Ich - 2. Du - 3. Er/es/sie - 4. Wir - 5. Ihr - 6. Sie/sie - 																		
5.	<p>Nominativ oder Akkusativ ?</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="width: 10%; text-align: center;">Nom.</th> <th style="width: 10%; text-align: center;">Akk.</th> </tr> </thead> <tbody> <tr> <td>1. Er kauft einen Radiergummi.</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>2. Wo ist mein Heft?</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>3. Ich finde den Film blöd.</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>4. Wir sind Freunde.</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> <tr> <td>5. Das ist ein Saft.</td> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> </tr> </tbody> </table>		Nom.	Akk.	1. Er kauft einen Radiergummi .	_____	_____	2. Wo ist mein Heft ?	_____	_____	3. Ich finde den Film blöd.	_____	_____	4. Wir sind Freunde.	_____	_____	5. Das ist ein Saft .	_____	_____
	Nom.	Akk.																	
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2. Wo ist mein Heft ?	_____	_____																	
3. Ich finde den Film blöd.	_____	_____																	
4. Wir sind Freunde.	_____	_____																	
5. Das ist ein Saft .	_____	_____																	
6.	<p>Antworte auf die Frage!</p> <ol style="list-style-type: none"> 1. Was ist dein Lieblingsfach? 2. Was kostet ein Hamburger? 3. Isst du gern Pizza? 4. Wie findest du Mathematik? 5. Was hast du in deiner Schultasche? 																		



Subject: Mathematics

PART A- WORKSHEET

1. An atom changes to a charged particle called ion if it loses or gains electrons. The charge on an ion is the charge on electrons plus charge on protons. Now, write the missing information in the table given below:

Name of Ion	Proton Charge	Electron Charge	Ion Charge
Hydroxide ion	+9	—	-1
Sodium ion	+11	—	+1
Aluminium ion	+13	-10	—
Oxide ion	+8	-10	—

2. MATHEMATICS IN MUSIC: Music composers writes the notes that can vary in length. There are whole notes, half notes, quarter notes, eighth notes and sixteen notes. If the fraction of the frequencies of two notes have a common factor between the numerator and denominator, the two notes are harmonious. Use the graphic below to find the fraction of frequency of notes D and B.



Frequency Chart

3. In a class test containing 10 questions, 4 marks are given for every correct answer and (-2) marks are given for every incorrect answer.
- Riya attempts all questions but only 8 of her answers are correct. What is her total score?
 - Rahul also attempts all questions but gets 6 of his answers incorrect. What will be his score?
4. Find:
- $\frac{7}{25}$ of a kg.
 - decimal form of $12\frac{3}{25}$
 - $(-26) \times (-41)$ using distributive property.
5. Evaluate the following, using distributive property.
- -39×99
 - $(-85) \times 43 + 43 \times (-15)$
6. Simplify:
- $(-42) \div [(-8) + (-6)]$
 - $(3\frac{5}{7} \times 4\frac{2}{3}) + (5\frac{3}{5} \div 2\frac{1}{10})$
 - $(0.0065 \times 100) - (217.35 \div 6.3)$
7. Ramu finishes $\frac{1}{3}$ part of a work in 1 hour. How much part of the work will be finished in $2\frac{1}{5}$ hours?
8. A taxi driver charges ₹ 687.30 for a journey of 94.8 km. What will be the charges for a journey of 10 km?
9. What should be divided by -8 to get 36?

10. Raj's monthly income is ₹21000. His monthly expenses are $\frac{6}{7}$ of her income. What fraction and money of income does he save?

Subject: Science

Complete the worksheet on an A4-size sheet.

1. Name the secretions of the following glands:

- a) salivary glands
- b) pancreas
- c) liver
- d) stomach

2. Identify the parts of the alimentary canal where:

- a) digestion begins
- b) digestion gets completed
- c) absorption of digested food occurs
- d) absorption of water and salts takes place

3. Sundew can perform photosynthesis, but still feeds on insects. Justify.

4. Why are cows able to digest grass but human beings cannot?

5. How can we conclude that lichens show symbiotic relationship?

6. Draw neat and labelled diagrams depicting:

- a) photosynthesis
- b) stomata
- c) human digestive system
- d) nutrition in Amoeba



Subject: Social Science

Q1. Name the dynasties that emerged by the 7th century.

Q2. Who was Dantidurga?

Q3. What was the Tripartite struggle?

Q4. List all domains of the Earth.

Q5. Define ecosystem.

Q6. When is world environment day celebrated?

Q7. Which state first launched the Midday meal scheme?

Q8. What was the civil rights movement?

Q9. Why do people still discriminate against one another?

Q10. List two provisions of Article 15.

NOTE: Do the given worksheet in the Social Science notebook.

