

Holiday Assignment for Class X

Subject: English

1. Design an E-scrapbook on “My School Life Memories”

Instructions:

- Use Microsoft Word Document of 5 pages for designing your E-scrapbook including the cover page.
- Font Style should be Calibri and font size should be 14.
- Choose the best memories of your school life and attach relevant photographs along with a write-up in about two sentences and add a caption to it.
- Use A-4 size sheets to take print out of the Word document. Design the Scrapbook cover page as well.

Rubrics:

- Organisation of ideas: 2 Marks
- Creativity & Appearance (Cover page and Scrapbook Design): 2 Marks
- Content (includes accurate spellings and grammatically correct sentences): 3 Marks
- Presentation: 1 Mark
- Caption: 2 Marks

2. Write a short memoir on the theme “My Memoir” in about 120 words.

Instructions:

- Give your memoir a title.
- It should be hand written and in 1st person perspective.
- Answer this question in A-4 size sheet and label it with your name, roll number, class and section.

Rubrics:

- Title-1 Mark
- Content-3 Marks
- Fluency & Accuracy-1 Mark

3. Write a book review as suggested below.

- Name & author of the book.
- What was the book about? (Answer in 30-40 words)
- What did you like about the book? (Answer in 30-40 words)
- What was your favourite part of the book? (Answer in 30-40 words)
- Would you recommend this book to your friend? (Answer in Yes/ No)
- Give your rating for the book out of 5? (5-Excellent, 1-Poor)

Instructions:

- Your book review should be hand written and based on any one of the suggested books for reading as mentioned below.
- Answer all the questions in A-4 size sheet and follow the word limit wherever required.

Rubrics:

- Relevance of the topic-3 Marks
- Fluency & Accuracy-2 Marks

SUGGESTED BOOKS FOR READING:

- Fire on the Mountain by Anita Desai
- The Hungry Tide by Amitav Ghosh

एक भारत - श्रेष्ठ भारत - विषय संवर्धन गतिविधि

विषय-हिन्दी

कक्षा- दसवीं

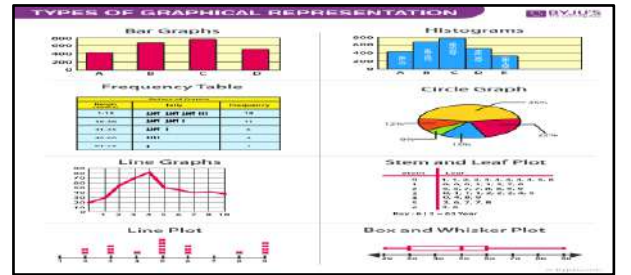
कला के संसार में कला की अपनी ही अलग उड़ान होती है। कला एक व्यक्ति की रचनात्मक अभिव्यक्ति है। कला को एकीकृत करके, सी.बी.एस.ई. अंतःविषय संबंधों को प्रोत्साहित करता है, जिससे छात्रों को कई दृष्टिकोणों के माध्यम से अवधारणाओं का पता लगाने की अनुमति मिलती है। यह दृष्टिकोण समग्र विकास को बढ़ावा देता है और छात्रों को उनकी कलात्मक अभिव्यक्ति और प्रशंसा का पोषण करते हुए विषयों की गहरी समझ विकसित करने में मदद करता है।



विषय-

1. आदिवासी जन जीवन के दृष्टिकोण से, तेलंगाना और झारखंड समृद्ध और विविध स्वदेशी संस्कृतियों वाले दो भारतीय राज्य हैं। ग्रीष्मकालीन अवकाश में आप सभी विद्यार्थियों से अपेक्षा की जाती है कि आप 'एक भारत-श्रेष्ठ भारत' शीर्षक के अंतर्गत भारत के दोनों राज्यों, झारखंड तथा तेलंगाना की, भौगोलिक स्थिति, जनसांख्यिकी, आदिवासी जनजाति की कला-संगीत, नृत्य और खान-पान से सम्बंधित जानकारी क्रमबद्ध तरीके से प्रस्तुत करें। इनसे सम्बंधित आंकड़ों को गणितीय रूप-रेखा में (जैसे बार ग्राफ अथवा पाई चार्ट) प्रस्तुत कीजिए। परियोजना बनाते समय निम्नलिखित अवधारणाओं को ध्यान में रखा जाना चाहिए-

- ❧ आदिवासी जनजाति का कुल जनसंख्या में प्रतिशत
- ❧ जीवन निर्वाह का आधार
- ❧ जीवन यापन करने में आई समस्याओं का उल्लेख और उनका समाधान



- ❧ शिक्षा व साक्षरता के साथ-साथ जीवन स्तर को उठाने के लिए किए जाने वाले प्रयासों का उल्लेख

2 ❧ तेलंगाना अथवा झारखण्ड की आदिवासी जनजातियों द्वारा प्रयोग में लाए गाने वाले किसी भी आभूषण या पहनावे का एक माडल तैयार कीजिए। (आप कागज़, गत्ते, अल्मुनियम फोयल, लकड़ी के मोती, धागा, और घर में पड़े अन्य सामान की सहायता से बना सकते हैं)



अधिगम-उद्देश्य(Learning Objectives)-

- 1- परियोजना का उद्देश्य छात्रों को भारत की समृद्ध और विविध कला, संस्कृति, विरासत द्वारा राज्यों का महत्वपूर्ण योगदान का पता लगाने का अवसर प्रदान करना है।
- 2- छात्रों के अनुसंधान कौशल और प्रस्तुति कौशल को बढ़ाना है।

आवश्यक दिशा-निर्देश-

- 1- प्रस्तुतीकरण आकर्षक व सुन्दर लेख में होना चाहिए | प्रस्तुत जानकारी तथ्यों व आंकड़ों पर आधारित हो।
- 2- आवश्यकतानुसार चित्रों का समावेश किया जाना चाहिए।
- 3- आप एकत्रित जानकारी रंगीन A-4 शीट या चार्ट पेपर पर हस्तलिखित रूप में जमा कर सकते हैं
- 4- आवरण पृष्ठ बनाना आवश्यक है।

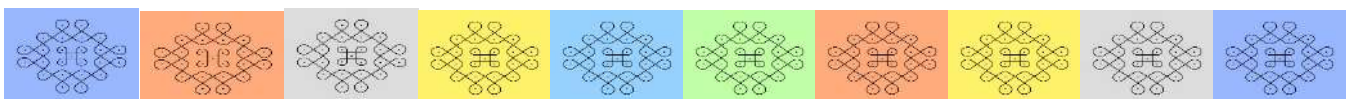
विधिसूचक निर्देश (Rubrics)-

निम्नलिखित विधिसूचक निर्देशों (Rubrics) के आधार पर प्रदत्त कार्य का आकलन किया जाएगा-

कुलांक	सामग्री - चयन	भाषा -सौष्ठव	आवरण पृष्ठ	चित्रात्मक वर्णन	समग्र प्रस्तुतिकरण
10	2	2	2	2	2

अधिगम-परिणाम (Learning Outcomes-)

- १- छात्र 'एक भारत – श्रेष्ठ भारत' की अवधारणा से परिचित होंगे।
- २- उपरोक्त परियोजना की रूपरेखा छात्रों को भारतीय कला, संस्कृति, विरासत का पता लगाने में मदद करेगी।
- ३- मूल्यवान सूचनाएँ एकत्र होंगी।



CLASS:10 -TELUGU II LANGUAGE SUMMER HOLIDAY HOMEWORK . (2024 – 25)

మానవ జీవితాన్ని సంస్కరించగల కావ్యం రామాయణం. రామాయణం పారాయణ గ్రంథంకాదు. ఆచరణీయ గ్రంథం.మనిషి మనీషిగా ఎలా బ్రతకాలో తెలుపుతుంది. ప్రపంచ సాహిత్యంలోనే ఆదికావ్యం రామాయణం. వాల్మీకి దీనిని రచించాడు. అంతటి మహోన్నతమైన సంక్షిప్త రూప ఉపవాచకం : 'రామాయణం'చదవండి.

రామాయణంలోని

1. రాముని యొక్క గొప్పతనం
2. 'రామ -సుగ్రీవుల' మైత్రి మరియు 'వాలి - సుగ్రీవుల' వైరము గురించి చిత్రములతో సంగ్రహంగా వివరించండి.
'రామ -సుగ్రీవుల' మైత్రి, 'వాలి - సుగ్రీవుల'వైరము వలన కలిగిన ఫలితం ఏమిటో వివరించండి.



RUBRICS:

- శీర్షిక : 2 మా
విషయ వివరణ : 4 మా
చిత్రాలు : 2 మా
ప్రదర్శన : 2మా
మొత్తం = 10మా

రామాయణ కథను సంగ్రహంగా తెలుసుకుంటారు.

రాముని పాత్ర ద్వారా తల్లిదండ్రులను గౌరవించాలని, సోదరుల పట్ల ప్రేమ,గురుశిష్యుల అనుబంధం, ప్రతి జీవినీ కారుణ్యముతో చూడాలని మరియు స్నేహం- వైరం వలన కలిగే ఫలితాలు ఏమిటో తెలుసుకుంటారు.

DDMS(AMS) P.OBUL REDDY PUBLIC SCHOOL

HOLIDAY ASSIGNMENT 2024-25

CLASS: X

SUBJECT: Mathematics

TOPIC: TRIGONOMETRY (Art-Integration project)

Trigonometry is the study of sides and angles of a right angled triangle. Trigonometric ratios are formed using the sides of right angled triangle with respect to its acute angle. It is used to find the width of road, river etc. and height of building, trees, tower, pole etc. without actually measuring them.

I Activity:

Model making of trigonometric values of some specific angles
(0° , 30° , 45° , 60° , 90°).

Objective: To enable the students to find the relation between the sides and angles of a right angled triangle.

Instructions to be followed:

- ✓ Students need to use the colour sheets accordingly.
- ✓ Cutting and pasting work should be neat.
- ✓ Content must be written with colour pens.

Link: <https://youtu.be/iXwqjHNNWqBy>

Learning Outcome: Students will be able to find the measure of the angle of a right triangle, when two of its sides are given.

II Application of Trigonometry

Question : A man of height 2 m is standing on the same level as the base of a tower and is looking at the top of the tower. The angle of elevation from his eyes to the top of the tower is 60° .

(i) Draw a diagram to represent the given situation

(ii) Find the height of the tower if the man is standing $30\sqrt{3}$ m away from the tower.

III Prepare a project file on trigonometry with the following content list

- Introduction
- History
- Right triangles-Trigonometric ratios
- Values of trigonometric ratios
- Heights and distances
- Architecture
- Astronomy
- Geology
- Navigation
- Oceanography

Objective: To enable the students to understand the knowledge of trigonometry and its application in real life situations.

Learning Outcome: Students will be able to apply the knowledge of trigonometry to measure the heights and distances without actually measuring them.

RUBRICS:

1. Content : 4M
2. Presentation with Art : 5M
3. Punctuality : 1M

Note: Solve the given worksheets in the separate worksheet note book. Solve every day 5 questions.

DDMS P OBUL REDDY PUBLIC SCHOOL
SCIENCE SUBJECT ENRICHMENT ACTIVITY (ART INTEGRATED)
HOLIDAY HOMEWORK (2024-25)
CLASS X

TEACHER: K. Jyothi Lakshmi

INSTRUCTIONS: Physics & Chemistry are to be done separately and submitted on the reopening day.

PHYSICS (10m)

ACTIVITY: Reflection Collage (Creating a collage to explore the concept of reflection).

Learning Objective:

- ❖ Understand the Concept of Reflection: Students will grasp the fundamental principles of reflection, including how light behaves when it strikes different surfaces and how mirrors produce reflected images.

Learning Outcomes:

- Students will visually represent the concept of reflection through a mixed-media collage, incorporating images that convey the idea of light bouncing off surfaces.
- Students will engage in critical thinking by analyzing how to effectively communicate the physics concept of reflection through visual art.
- Students will reflect on their artwork and participate in class discussions to articulate their interpretations and insights related to the concept of reflection.
- By blending art and science, students gain a holistic perspective on how different disciplines intersect and complement each other in exploring complex concepts.

Materials Needed:

- Magazines or printed images
- Scissors
- Glue or adhesive
- Drawing paper or poster board
- 2 A4 sheets (one for the cover page and the second one to reflect on their artwork with a short note)
- Markers, coloured pencils, or crayons (optional)

Instructions:

- ★ Explore different types of reflection (e.g., specular reflection, diffused reflection).
- ★ Gather Materials from old magazines or printed images of mirrors, reflective surfaces, or images that can be creatively interpreted as reflections.

- ★ Cut out the selected images and paste them on drawing paper or poster board to create a composition representing the concept of reflection. After arranging the images, add artistic elements using markers, coloured pencils, or crayons. Students can draw lines, patterns, or shapes around the collage to enhance the overall design and convey the theme of reflection.
- ★ Once the collage is completed, students have to reflect on their artwork with a short note on
 - What do the images represent in terms of reflection?
 - How were the visual elements used to convey the concept of reflection?

Assessment Criteria:

➤ Creativity:	3 m
➤ Artistic Technique: (e.g., cutting, glueing, drawing)	2 m
➤ Understanding of Reflection:	3 m
➤ Photo proof (Student’s photo while doing the activity to be pasted)	1 m
➤ On-time submission	1 m

CHEMISTRY (10 M)

Activity: Building Molecular Models to Explore Bonding

Learning objective:

- ❖ To engage students in active learning, allowing them to manipulate physical models to explore abstract chemical concepts.
- ❖ To develop a deeper understanding of molecular bonding and structure, paving the way for advanced studies in chemistry and related fields.

Learning outcomes:

- It emphasizes critical thinking, problem-solving, and the application of theoretical knowledge to real-world scenarios.
- Reinforces understanding of chemical bonding and molecular shapes through hands-on manipulation.
- Enhances spatial reasoning skills and visualisation abilities.

Materials Needed:

- Molecular model kits (ball-and-stick or space-filling models)/clay (any type) and match sticks.

- Instructional materials (handouts, diagrams of molecules).
- Minimum three A4 sheets including the cover page.

Instructions:

- Identify the atoms needed for the building models of any two molecules (e.g., hydrogen, oxygen, water, carbon dioxide, ammonia, methane, glucoseetc.).
- Select appropriate atoms and connect them using the model kit connectors/clay and match sticks to represent bonds (single, double, or triple bonds).
- Arrange the atoms in the correct geometry based on the molecule's structure (e.g., tetrahedral for methane).
- Differentiate how these molecular structures influence the physical and chemical properties of the molecules. (Differentiate both physical and chemical properties of both molecules separately in columns.)

RUBRICS:

★ Accuracy of Model Construction:	4 M
★ Identification of Bonding Types:	2 M
★ Analysis of Molecular Properties:	2 M
★ Photo proof (Student's photo while doing the activity to be pasted)	1 M
★ On-time submission	1M

SCIENCE SUMMER HOLIDAY HOME-WORK -2024

Based on CBSE Art- activities

CLASS: X

Our Environment

The theme of Earth Day 2024 is 'Planet vs plastic'

Topic 1- Research project

SDG_11

Microplastics are plastic pieces that measure less than five millimeters across. Some microplastics have formed by breaking away from larger plastics that have fragmented over time

Learning objectives: Students will be able to

- 1. Identifying the main challenges and barriers for reducing microplastic waste.**
- 2. Promote recycling of plastic polymers as a substitute for virgin plastic**
- 3. To reduce plastic waste in our target community/location by a certain percentage**

Learning outcomes:

Students could identify the challenges and barriers for reducing microplastic waste .

Answer the following:

- 1. What are microplastics? How are they different from virgin plastics?**
- 2. What are the 2 main causes of microplastics?**
- 3. What are 3 possible ways to solve the problems of microplastics?**
- 4. What is the new EU (European Union) proposal to restrict microplastics?**
- 5. How can we as students help in reducing microplastic pollution?**

Wealth out of waste:

Make a pen stand/flower vase or any other useful items using any of the 3R techniques. (Use items made of plastic)

Rubrics:

Q/A 1 m each

Wealth out of waste: 4m + 1m (4m for the way they used the 3R concept and 1m for the neatness)

DDMS, P.OBUL REDDY PUBLIC SCHOOL
Holiday Homework – (2024-25)
Social Science - Project work – Class X

Choose any one of the following topics.

- | | | |
|-----------------------------------|---|-----------|
| 1. Consumer Awareness | - Poster Making | OR |
| 2. Social Issues | - Research Project | OR |
| 3. Sustainable Development | - My Idea of Sustainable Development | |

Objective :

- Students are expected to apply the Social Science concepts that they have learnt over the years in order to prepare the project report.
- If possible various forms of Art may be integrated in the Project work.
- It Should help in enhancing the Life Skills of the Students.

A summary report should be prepared highlighting :

- Innovative ideas generated in the process.
- The Project report should be handwritten.

Learning Outcomes :

- ✓ Consumers have the right to be free of hazardous goods and services that jeopardize their lives and property. The customer has a right to know about the quantity, consistency, purity, strength, and quality of goods and services.
- ✓ Students will be able to identify , describe and analyze important social issues from multiple cultural perspectives.
- ✓ Students will be able to define sustainability and identify major sustainability challenges.

Guidelines :

- a. The project work should be done in an A4 size sheet (number of pages 5 including cover page , conclusion and Bibliography)
- b. The distribution of marks over different aspects relating to Project work is as follows :

Rubrics

S.No	Aspects	Marks
a	Content accuracy, originality and analysis	2
b	Presentation and creativity	2
c	Overall neatness , pictures and good handwriting skills	1

Date of submission : 12th of June 2024.



DDMS (AMS) P. OBUL REDDY PUBLIC SCHOOL

HOLIDAY HOMEWORK GARDE-X Subject: Artificial Intelligence

Project 1: Exploring career paths in AI

5M

Carry out research on various career paths in the field of AI to get information about the roles, skills, qualifications, and future prospects associated with each position. The aim of the project is to provide an overview of the career opportunities in the field of AI and the demand and growth in the field.

Points to Consider:

Selection

Select a specific career path in AI (eg, data scientist, machine learning engineer, AI researcher, or AI ethics specialist) for your research.

Define the points of your research by considering factors such as the importance of the role in the industry and its demand in the job market,

Role Overview

Write details of the selected career path, explaining the responsibilities, tasks, and objectives of the role.

Discuss the main focus areas, such as data analysis, algorithm development, model training, or ethical considerations, within the chosen career path.

Skills and Qualifications

Identify and describe the soft skills and qualifications required for the selected career path.

Include technical skills, programming languages, knowledge of AI algorithms, and any certifications or degrees that are typically required for this line of career.

Growth and Demand

Explore the current and projected demand for professionals in the chosen career path.

Discuss the growth opportunities, market trends, and sectors where the role is in demand.

Presentation

Compile your research findings into a project report using a word processor of your choice.

Prepare a PowerPoint presentation in **prezi app**.

Project 2: Gesture Controlled Space Battle Game in PictoBlox using Human Body Detection

5M

Project Description

Learn how to make a gesture-controlled space battle game in PictoBlox! Use link to follow the steps to control it using just your fingertips. Let's begin!

- Difficulty Level: Intermediate
- Programming Platform: PictoBlox (Scratch)
- Products Used: AI and ML with PictoBlox

<https://ai.thestempedia.com/project/gesture-controlled-space-battle-game-in-pictoblox-using-human-body-detection/>