



HOLIDAY HOMEWORK

CLASS X

2023-24

SUBJECT - ENGLISH

S. No.	ASSESSMENT PARAMETER	TOPIC	ACTIVITY	RESOURCES	SKILLS ENHANCED/ LEARNING OUTCOMES	MODE OF SUBMISSION & RUBRICS
1	Multiple Assessment	Writing Skills	<p>ETHNIC JOURNAL</p> <p>- Create a periodical or an almanac on the Culture of Andaman and Nicobar Islands covering its history, people, language, literature, facts, religion, occupation, lifestyle, cuisines, fairs and festivals etc.</p> <p>- Also discuss the social vulnerability of the tribal community of the islands in the journal.</p>	<p>https://penzu.com/how-to-start-and-write-a-journal</p>	<p>Creativity</p> <p>Imagination</p> <p>Linguistic Intelligence</p> <p>Spatial Intelligence</p> <p>Intrapersonal Intelligence</p> <p>Observation</p> <p>Originality</p> <p>Vocabulary Enhancement</p>	<p>Mode of Submission- Journal- A4 Size Journal/File</p> <p>Rubrics- Presentation & Creativity: 1 Mark</p> <p>Content & Originality: 2 Marks</p> <p>Language & Accuracy: 1 Mark</p>
2.	Subject Enrichment	Reading and Speaking Skills	<p>CRUSADER FOR PEACE</p> <p>Imagine you are a student social activist and you have been invited in United Nations to deliver a speech on Apartheid System and its effects on education, science, culture and economic progress of a country. Create a podcast and record your speech that you will deliver at UN.</p>	<p>https://g.co/kgs/3kxARY</p>	<p>Creativity</p> <p>Kinesthetic Intelligence</p> <p>Imagination</p> <p>Linguistic Skills</p> <p>Logical Intelligence</p>	<p>Mode of Submission- Podcast in a Pen Drive</p> <p>Rubrics- Presentation & Creativity: 1 Mark</p> <p>Content & Originality: 2 Marks</p> <p>Language & Accuracy: 1 Mark</p>

SUBJECT	MATHEMATICS – PROJECT 1
ASSESSMENT PARAMETER	MULTIPLE ASSESSMENT
TOPIC	GEOMETRICAL SHAPES (TESSELLATIONS)
PROJECT/ACTIVITY	<p>Meaning of Tessellation: An arrangement of shapes closely fitted together especially of polygons in a repeated pattern without any gaps or overlapping is called a Tessellation.</p> <p>Identify Tessellation in the environment. Explain the theory and mathematics that makes Tessellations possible.</p> <p><u>Create original Tessellation</u></p> <p>Step 1: Start with equilateral triangles and its properties. Write what makes Tessellation possible for an equilateral triangle.</p> <p>Step 2: Discuss other shapes, regularity of shapes and which shapes are conducive for tessellation and why ?</p> <p>Step 3: Show the pics of various tessellated patterns and why they can be arranged so?</p> <p>Step 4: Develop your own tessellation pattern and explain the underlying mathematical concept.</p>
LEARNING OUTCOME/SKILL ENHANCED	<p>Students will be able to</p> <ol style="list-style-type: none"> 1. Recognize various regular and irregular shapes around us understand and explain the mathematical concepts involved in tessellation. 2. Understand which geometrical shapes can always be used for tessellation. 3. Create new designs by using combination with different shapes
RESOURCES (Online Links)	<p>Resources</p> <p>https://www.mathsisfun.com/geometry/tessellation.html</p> <p>https://www.youtube.com/watch?v=Lg19NvW_sU</p> <p>https://youtu.be/5qrQTXEBDZo</p>
MODE OF SUBMISSION	Handmade project – Submit on A-4 size sheets with a handmade cover only- no plastic folder)
RUBRICS	<p>Project submitted on Time – 1</p> <p>Project instructions followed - 1</p> <p>Appropriate use of color and design to create new tessellation - 2</p> <p>Neatness – 1</p>

SUBJECT	MATHEMATICS – PROJECT 2
ASSESSMENT PARAMETER	SUBJECT ENRICHMENT
TOPIC	VOLUMES AND SURFACE AREAS
PROJECT/ACTIVITY	<ol style="list-style-type: none"> i. Choose any 2 objects like water bottles, filled ice cream cone , Lattu (toy) etc which are a combination of two or more 3D shapes (cuboid, cube, cylinder, cone, sphere and hemisphere). ii. Measure their dimensions (round off to nearest natural number) and note them in your file. iii. Calculate the curved/lateral and the total surface area of these solids. iv. Also, find the volume of these solids. v. Click pictures of the objects chosen and paste them along with the calculations. (You may also draw the pictures of the objects.)
LEARNING OUTCOME/SKILL ENHANCED	<p>Students will be able to</p> <ol style="list-style-type: none"> I) Observe the 3 dimensional objects in their neighbourhood II) Estimate the areas and volumes of objects used in daily life.
RESOURCES (Online Links)	<p>Resources:</p> <p>https://www.youtube.com/watch?v=oPBjz8kh_30</p> <p>https://www.youtube.com/watch?v=ulHqx7qXqyo</p>
MODE OF SUBMISSION	Submit on A-4 size sheets.
RUBRICS	<p>Project submitted on time – 1</p> <p>Choice of objects – 1</p> <p>Accuracy – 2</p> <p>Neatness – 1</p>



SUBJECT	SCIENCE – PROJECT 1
ASSESSMENT PARAMETER	MULTIPLE ASSESSMENT
TOPIC	ELECTRICITY (Energy Audit)
PROJECT/ACTIVITY	<p>1. Segregate atleast 5 appliances used in your home (eg. refrigerator, mobile charger, television, AC etc) under the heading of 15A and 5A current ratings in a tabular form).</p> <p>2. Note the power consumed of each appliance (it is mentioned on the appliance itself).</p> <p>3. Tabulate the number of hours for which each appliance is used).</p> <p>4. Now calculate the electrical energy consumed by each appliance using the formula given below: <i>Energy consumed = Power (in Watt) X Time (in hrs)</i> Paste a copy of your electricity bill for previous month mentioning the energy consumed in kWh (Kilowatt Hour)</p> <p>5. List the measures initiated by you to conserve electrical energy. You may design a poster to create awareness about energy conservation.</p>
LEARNING OUTCOME/SKILL ENHANCED	Critical Thinking, Analysis and Interpretation
RESOURCES (Online Links)	https://www.youtube.com/watch?v=5MXOQMCTRiw
MODE OF SUBMISSION	Project File
RUBRICS	5 marks (Content:2 marks,Creativity:2 Marks, Interpretation:1 mark

SUBJECT	SCIENCE – PROJECT 2
ASSESSMENT PARAMETER (MULTIPLE ASSESSMENT/SUBJECT ENRICHMENT)	SUBJECT ENRICHMENT
TOPIC	CHEMISTRY IN DAILY LIFE
PROJECT/ACTIVITY	<p>Chemistry is everywhere around us. The role of chemistry in the kitchen is highly significant. We can interpret almost all activities of kitchen as chemical reactions. Even simply slicing an apple sets off chemical reactions that change the colour of the apple’s flesh. Select any one chemical phenomenon which you observe in kitchen and explain the chemistry behind it. Present your report highlighting the following points:</p> <ul style="list-style-type: none"> • Ingredients involved in cooking • Role of each ingredient involved • Chemical phenomenon involved in the activity • Chemical reactions involved if any. • Click your pics performing the activity (take assistance of your mother) and paste in your project report.
LEARNING OUTCOME/SKILL ENHANCED	Critical Thinking, Analysis and Interpretation
RESOURCES (Online Links)	https://youtu.be/ b7YjP2Gxnw
MODE OF SUBMISSION	Project File
RUBRICS	5 marks(Content:2 marks,Creativity:2 Marks,Presentation:1 mark

SUBJECT	SOCIAL SCIENCE – PROJECT 1
ASSESSMENT PARAMETER	MULTIPLE ASSESSMENT
TOPIC	SOCIAL ISSUES (CBSE PROJECT)
PROJECT/ACTIVITY	<p>Research a social issue:</p> <ol style="list-style-type: none"> 1. Choose a social issue that interests you, such as poverty, gender inequality, or education, and conduct research to learn more about its causes, effects, and potential solutions. Use a variety of sources, including books, articles, and documentaries. 2. Conduct interviews: Talk to people who are directly affected by a social issue, such as individuals living in poverty or women who have experienced gender discrimination. Use these interviews to gain insight into their experiences and perspectives. 3. Analyze media coverage: Analyze how media outlets cover social issues in India. Identify patterns in the ways that different issues are discussed and the language that is used. Consider how this coverage might shape public perceptions and attitudes. 4. Write a report or essay: Write a report or essay that synthesizes your research, interviews, and volunteer experience. Use this as an opportunity to reflect on what you have learned and to offer your own perspective on how social issues in India can be addressed. 5. Create a visual presentation: Create a visual presentation, such as a slideshow or video, that explores a social issue in India. Use images and data to convey your message.
LEARNING OUTCOME/SKILL ENHANCED	Collection, Organisation, Identification ,Classification, Analysis
RESOURCES (Online Links)	https://www.youtube.com/watch?v=txbjtKvPp4M
MODE OF SUBMISSION	Project File
RUBRICS	<p>Content accuracy and originality- 2</p> <p>2. Presentation and creativity - 1</p> <p>3. Process of Project Completion: Initiative, cooperativeness, participation and punctuality- 1</p> <p>4. Viva or written test for content assimilation - 1</p>

SUBJECT	SOCIAL SCIENCE – PROJECT 2
ASSESSMENT PARAMETER (MULTIPLE ASSESSMENT/SUBJECT ENRICHMENT)	SUBJECT ENRICHMENT
TOPIC	CONSUMER AWARENESS
PROJECT/ACTIVITY	<ol style="list-style-type: none"> 1. Conduct a survey of 10 families to know their awareness with regard to the rights and duties of consumers. 2. For this purpose a detailed questionnaire should be prepared. 3. Results can be shown in the form of a graph. 4. A write-up on an experience about being cheated in the market and the steps taken by you to claim your rights. 4. What measures were initiated by the government for consumer protection and consumer awareness? 5. Create your own slogan to bring awareness in your neighbourhood
LEARNING OUTCOME/SKILL ENHANCED	Critical Thinking, Analysis and Interpretation
RESOURCES (Online Links)	https://youtu.be/aB49VP4a6QM
MODE OF SUBMISSION	Project File
RUBRICS	5 marks(Content:2 marks,Creativity:2 Marks,Interpretation:1 mark

SUBJECT - HINDI

क्र.सं	मूल्यांकन बिंदु	विषय	गतिविधि	संसाधन	कौशल / सीखने के परिणाम	जमा करने का तरीका / रुब्रिक
1	बहुविकल्पात्मक मूल्यांकन	लेखन कौशल	<p>ट्विटर ट्वीट -</p>  <p>टास्क -1 'डिजिटल इंडिया' अभियान क्या है ? इसका क्या उद्देश्य है? भारत की आर्थिक व तकनीकी समृद्धि में 'अंडमान व निकोबार' जैसे द्वीप समूहों के साथ भारत के संबंधों की क्या उपयोगिता है ? इस संबंध में चित्र सहित जानकारी ट्विटर लोगो बनाकर ट्वीट के रूप में दीजिये ? ट्वीट संबंधी नियम देखने के लिए आप गोले का प्रयोग करें ।</p> <p>टास्क-2 'डिजिटल इंडिया तथा अंडमान व निकोबार जैसे द्वीप समूहों के साथ भारत के संबंधों ' पर पांच स्लोगन निर्माण कीजिए ।</p>  <p>कैसे करें -सुंदर लेख में , रंगीन चित्रों के साथ, चारों तरफ ट्विटर लोगो बनाए ।</p>	<p>https://youtu.be/d06YZXANEZ8</p> <p>https://youtu.be/kUekLaLhQ3k</p>	<p>रचनात्मकता</p> <p>कल्पना</p> <p>भाषाई बुद्धि</p> <p>विशेष बुद्धिमत्ता</p> <p>तार्किक बुद्धि</p> <p>अवलोकन</p> <p>मौलिकता</p> <p>भाषाई कौशल</p> <p>तार्किक बुद्धि</p>	<p>ट्विटर ट्वीट -</p> <p>प्रस्तुति व लेख: 2 अंक</p> <p>सामग्री और मौलिकता: 2 अंक</p> <p>भाषा और आकर्षक लोगो निर्माण : 1 अंक</p>

2	साहित्य ज्ञानवर्धन	सामाजिक अधिगम कौशल	<p><u>समस्या-निवारण गतिविधि -</u></p> <p>‘हरिहर काका’ को पढ़ने के पश्चात अपने माता-पिता के समय की जीवन शैली अर्थात् जीवन जीने का ढंग और विचारों तथा वर्तमान समय में आपके जीवन जीने का ढंग और विचारों का तुलनात्मक अध्ययन कीजिए। इस अध्ययन में निम्न विषयों को समाहित करें-</p> <ol style="list-style-type: none"> 1. आपसी रिश्तों में मेल मिलाप और प्रेम 2. पौष्टिक भोजन का स्तर 3. जीवन में तनाव 4. संयुक्त परिवार परिपाटी 5. पढ़ोस कल्चर बड़े बुजुर्गों के प्रति शिक्षा प्रणाली और नैतिक मूल्य <p><u>कहां करें</u> - परियोजना पुस्तिका में</p> <p><u>कैसे करें</u> - सभी विषयों को एक - एक कर के मुख्य बिंदु के रूप में लेते हुए तुलना उदाहरण सहित करें और चित्र भी लगाएं।</p>	<p>https://youtu.be/GxAIN2KgkUU</p> <p>https://youtu.be/uQJBzX7kRk</p>	<p>रचनात्मकता</p> <p>कइनेस्थेटिक इंटेलिजेंस</p> <p>कल्पना</p> <p>भाषाई कौशल</p> <p>तार्किक बुद्धि</p> <p>अवलोकन</p> <p>मौलिकता</p> <p>विशेष बुद्धिमत्ता</p>	<p>परियोजना -</p> <p>बिंदुवत वर्णन और रचनात्मकता : 2 अंक</p> <p>उदाहरण व प्रस्तुति: 2 अंक</p> <p>भाषा और सटीकता : 1 अंक</p>
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		कक्षा – दशमी			
क्र . सं .	विषयवस्तु:	गतिविधि:	अधिगमपरिणामा: कौशलवर्धनम् /	संसाधनसङ्केत:	प्रस्तुतीकरणमाध्यम:
1	कथाकथनम्)विषयसम्बर्धन म् 5 – (अङ्का:	पञ्चतन्त्र एवं हितोपदेश में अनेक शिक्षाप्रद संस्कृत कथाएँ वर्णित हैं जो हमारे लिए अत्युपयोगी हैं। किसी भी कथा को कार्टून- स्ट्रिप बनाकर 5 से 7 स्लाईड के माध्यम से संस्कृत संवादों के साथ प्रस्तुत करें। कार्टून- स्ट्रिप् के निर्माण के लिए किसी भी साफ्टवेयर का डिजीटल रूप में प्रयोग किया जा सकता है एवं हस्तनिर्मित कथा भी बनाई जा सकती है।	<ul style="list-style-type: none"> ➤ रचनात्मक कौशलम् ➤ कथाकथन म् ➤ भावाभि व्यक्ति: ➤ नैतिकशि क्षाया: अवबोधन म् 	https://youtu.be/3pPSVpNVh4 4	कार्टून स्ट्रिप को https://forms.gle/5LrzgYC2TG5Mv49a 6 संकेत पर प्रेषित करें।

विषय:	संस्कृतम्
मूल्याङ्कनविन्दवः	विषयसम्बर्धनम्
विषयवस्तु	सम्प्रतिवार्ता:
गतिविधि:	संस्कृतसमाचारों को वीडियो के माध्यम से प्रस्तुत करना एवं रेडियो टॉक शो का प्रस्तुतीकरण ।
अधिगमपरिणामा:कौशलवर्धनम् /	तर्कात्मकचिन्तनम् , वाचनकौशलम् , भावाभिव्यक्ति: , विश्लेषणात्मकता , प्रस्तुतीकरणम्
संसाधनसङ्केत:	https://youtu.be/iuTJKQHqZVk https://youtu.be/q2prlrrxWJg

विषयः	संस्कृतम्
मूल्याङ्कनबिन्दवः	विषयसम्बर्धनम्
विषयवस्तु	सम्प्रतिवार्ताः
गतिविधिः	संस्कृतसमाचारों को वीडियो के माध्यम से प्रस्तुत करना एवं रेडियो टॉक शो का प्रस्तुतीकरण ।
अधिगमपरिणामाः कौशलवर्धनम् /	तर्कात्मकचिन्तनम् , वाचनकौशलम् , भावाभिव्यक्तिः , विश्लेषणात्मकता , प्रस्तुतीकरणम्
संसाधनसङ्केतः	https://youtu.be/iuTjKQHqZVk https://youtu.be/q2prlrrxWJg

विषयवस्तु:	गतिविधि:	अधिगमपरिणामाः कौशलवर्धनम् /	संसाधनसङ्केतः	प्रस्तुतीकरणमाध्यमः
सम्प्रतिवार्ताः-बहुविध) मूल्याङ्क 5 -नम् (अङ्काः	दूरदर्शन एवं आकाशवाणी रेडियो पर प्रतिदिन संस्कृत समाचारों का नियमित रूप से प्रसारण होता है। संस्कृत समाचारों के निर्माण से लेकर प्रसारण तक अनेक चरणों में कार्य किया जाता है जैसे – हैडलाईन्स अर्थात् मुख्यवार्ताओं का निर्माण , बैकग्राउंड ध्वनि , विजुअल्स इत्यादि। ऐसे ही राष्ट्रीय, अन्तर्राष्ट्रीय , राज्य , खेल इत्यादि से सम्बन्धित संस्कृतसमाचारों का निर्माण करके 5 मिनट का यू-ट्यूब वीडियो रिकॉर्ड करें जिसमें बैकग्राउंड म्यूजिक एवं विजुअल्स का भी प्रयोग करें या फिर कोई 5 मिनट का रेडियो कार्यक्रम , टॉक-शो संस्कृत में रिकॉर्ड करें।	<ul style="list-style-type: none"> ➤ वाचनकौशलम् ➤ भावाभिव्यक्तिः ➤ विश्लेषणात्मकता ➤ प्रस्तुतीकरणम् ➤ तर्कात्मकचिन्तनम् 	https://youtu.be/iuTjKQHqZVk https://youtu.be/q2prlrrxWJg	यू-ट्यूब वीडियो / रेडियो-टॉकशो mp-3 के माध्यम से https://forms.gle/5LrzgYC2TG5Mv49 a6 पर प्रेषित करें।

SUBJECT - AI

Activity 1 - UNIT 2 - AI Project Cycle – Step 1 - Problem Scoping

Assessment Parameter : Subject Enrichment

Learning Outcome/ Skill Enhanced : Problem Solving, Critical Thinking

Case Study: Online Shopping Portal

An online shopping portal sells only clothes. The portal has various types of clothing available that too for various age groups and genders. The portal tracks the browsing habits of its customers which includes details like clothes they buy, frequency of buying the clothes, for which gender and age group they normally buy the clothes, average value of clothes bought by individual customers, etc.

The portal’s sales team found that inspite of proper promotions of the clothes the regular customers are not buying the clothes recommended to them despite discounts given on the products and good brand of clothes offered to them. This analysis was done on the data and sales figures of previous years and ultimately pointed out the revenue losses of the portal. The team analyzed the buying behaviour i.e., preferences/ likes/ dislikes of the customers and discovered that they viewed the promos, offers and ads of good clothes but never purchased them.

In fact, most of the customers unexpectedly selected clothes other than the recommendations made to them. It was also found that promotions and offers were not reaching the customers to the full. It was also concluded that because of the bulk data of the customers, their likings and offers, it was not possible to analyze the whole data and make accurate predictions. Moreover, the portal also needs to promote the clothes which were selected by the customers other than what was recommended to them. For instance, if the customer is selecting “Casuals” then he should be recommended, the other top three options available on the portal.

Study the above given scenario and create a 4Ws Problem Canvas

(Who? What? Where? Why?) And Problem Statement Template

<u>Who?</u> Who are the stakeholders?	<u>What?</u> What is the problem?
What do you know about them?	How do you know that it is a problem?

<u>Where?</u> What is the context/ situation the stakeholders experience the problem?	<u>Why?</u> Why will this solution be of value to the stakeholders?
Where is the problem located?	How will the solution improve their situation?

Problem Statement Template

Our		Who
Has/ have a problem that		What
When/ while		Where
An ideal solution would		Why

Mode of submission: AI Notebook

Activity 2 - Unit 3: Advanced Python - Write the following python programs

Assessment Parameter : Subject Enrichment
Learning Outcome/ Skill Enhanced : Critical Thinking, Creativity

- To calculate Area and Perimeter of a rectangle
 - To calculate Area of a triangle with Base and Height
 - To calculating average marks of 3 subjects
 - To calculate discounted amount with discount %
 - To calculate Surface Area and Volume of a Cuboid
-
- Create a list in Python of children selected for science quiz with following names- Arjun, Sonakshi, Vikram, Sandhya, Sonal, Isha, Kartik
Perform the following tasks on the list in sequence-
 - Print the whole list
 - Delete the name "Vikram" from the list
 - Add the name "Jay" at the end
 - Remove the item which is at the second position.
 - Create a list num=[23,12,5,9,65,44]
 - Print the length of the list
 - Print the elements from second to fourth position using positive indexing
 - Print the elements from position third to fifth using negative indexing

Mode of submission: Practical File