



Holiday Homework Grade – X

ENGLISH:

Art Integrated Project

There are many literary forms such as Allegory, Farce, Satire, Anecdote, Folk tales, Chorus, Epic, Epistolary, Parable, Parody, etc.

The Frog and the Nightingale is an allegorical poem that talks about believing in oneself, as well as a cautionary story about the meek characters who become a victim of crafty and manipulative ones.

1. Roll No 1 to 10

Write a comic strip of the poem The Frog and the Nightingale on A 3 Size papers. (Use as many sheets as you like)

2 Roll No 11 to 20

Write a comic strip of the lesson. Two Gentlemen of Verona on A 3 Size papers. (Use as many sheets as you like)

3 Roll No 21 to 30

Write a comic strip of the lesson Mrs Packletide's on A 3 Size papers. (Use as many sheets as you like)

4 Roll No 31 to 45

Write a script of the lesson Two Gentlemen of Verona on A 3 Size papers. (Use as many sheets as you like)
Later they have to perform in the class.

HINDI:

सभी छात्र अपने रोल नंबर के अनुसार दिए गए विषय पर प्रोजेक्ट फाइल तैयार करेंगे

* रोल नंबर 1 -10 छायावादी युग प्रवर्तक श्री जयशंकर प्रसाद के व्यक्तित्व एवं कृतित्व पर आधारित ।

* रोल नंबर 11 -20 गोस्वामी तुलसीदास जी के जीवन पर आधारित।

* रोल नंबर 21 से 30 तक सूरदास के जीवन पर आधारित।

* रोल नंबर 30 से अंत तक लखनवी अंदाज जब और अब। शिक्षक के आधार पर लखनवी संस्कृति , खानपान वहाँ के प्रसिद्ध नवाबों का सचित्र परिचय देते हुए , वर्तमान में प्रसिद्ध वस्तुओं स्थानों का सचित्र उल्लेख करते हुए आकर्षक फाइल तैयार करेंगे।

MATHEMATICS:

FUN WITH MATHS IN VACATION!

REAL SITUATIONS

REAL SOLUTIONS

REAL LEARNING

Unlock your potential and Prepare Mathematical Projects for Experiential Learning according to the given instructions

- Prepare projects /Models according to the roll numbers
- To make perfect model take help of your Lab book / You tube / Google etc.
- Models can be made by using best out of waste but do not compromise with the quality and good look. (with proper labelling)
- Material can be used – Thermocol sheet , Cardboard sheet , Plastic sheets , Wooden sheets including your necessary material.
- Prepare one chart paper or two A3 size sheets and write explanation of your model for better understanding.
- These projects will be counted as your subject enrichment activity (Marks will be given)
- All should be working models , Non- working Models will not be accepted
- For your help maths lab activity number with page no are given but not necessary to use same method, you can show your capability with no limitations (can make projects with different method / On different topic)
- Show your creativity , Give your best

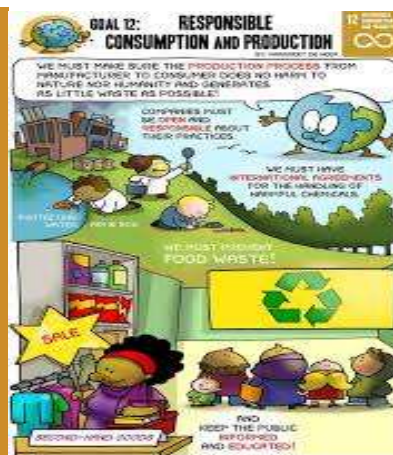
ROLL NO.	PROJECT TOPIC	LAB ACT. NO.	PAGE NO.
1 – 6	Factorisation of different quadratic equations with both negative and positive values by using cutouts of squares and rectangles according to the eq.	5 B	29
7 – 12	Proof of Pythagoras theorem	12	56
13 – 18	Make clinometer to measure the angle of elevation and depression of an object, Show one use in real life in your project	15	69 , 70
19 – 24	To find the area of the circle by coiling method OR cutouts of rectangle	16	73
25 – 30	To verify that the sum of areas of three sectors of same radii are found at the vertices (at centre) of any triangle is $\pi r^2 / 2$	17	77
31 – 36	Derive the formula of volume of a right circular cone	20	90
37 – 43	Derive the formula of volume of a Sphere	21	95

SCIENCE:

ART INTEGRATION PROJECT

TOPIC-Response consumption and production (SDG -12)

SDG -12 is meant to ensure good use of resources, improve energy efficiency and sustainable infrastructure.



AIM OF THE PROJECT-

To ensure responsible consumption and production patterns everywhere in the world.

State of Study – Uttar Pradesh & Arunachal Pradesh

ACTIVITIES-

PROJECT FILE(ROLL NO -1 -10) and PPT (11-20)

Based on SDG 12 , include following subtopics

-Introduction

-The states of research on SDG 12 (Uttar Pradesh & Arunachal Pradesh)

-Natural resources management

a-water

b-Energy

c-Food waste and loss

-How to achieve sustainable consumption and production

-Conclusion

ROLL NO-21-30(MAKE A MODEL)

TOPIC-1-Energy conservation(21-25)

2-Waste management(26-30)

ROLL NO-31- 35 - Make a poster on Energy Conservation on A3 size white sheet

ROLL NO-36 onwards - Prepare a presentation (PPT/Video) on waste management

SOCIAL SCIENCE:

Every student has to compulsorily undertake one project on

Consumer Awareness

- Consumer Rights
- Consumer Courts in India
- Standardisation Agencies in India
- Case Study (any one)
- Include pictures/ posters/cartoons

OR

Social Issues (any one topic)

- | | | |
|------------------|---------------------------|-----------------------|
| a. Child labour, | c. Gender inequality | e. Religious disputes |
| b. Superstitions | d. Violence against women | f. Drug abuse |

OR

Sustainable Development

- a. Aims and objectives
- b. The three pillars of sustainability
- c. Goals and approaches of sustainable development
- d. G20 and Action plan for Sustainable development.
- e. Desired outcomes of sustainable development.
- f. Conclusion

Note:

- The Project should be handwritten(6-8 pages)
- Project will be marked under Subject Enrichment and carries a weightage of 5 marks.

Rubrics for the Project Work is as follows:

S No	Aspects	Marks
1	Content accuracy, originality and analysis	2
2	Presentation and creativity	2
3	Viva Voce	1

MARKETING:

Activities

A. Prepare a marketing mix assignment on any product

Coca cola, Nestlé's Maggie or any other tangible product using the four main elements of marketing mix.

B. Analyze each of the 4 P's mentioned in the above marketing mix.

C. Prepare a case study on creating the right Marketing mix.

AI:

Find out about the technology behind Self Driving Cars and the companies working on the concept of Self driving cars. Submit a report on it with relevant pictures on A3 size sheet.

OR

Make a 3D model depicting the various stages of AI Project Cycle.

IT:

Task 1: Create a Website:

Create a simple website using HTML and CSS, include basic information about your hobbies or any topic of interest.

Task 2: Design a Database:

Design a database using software like MySQL. You can create a database for a library, school, or any other scenario of your choice.

INTEGRATED HOLIDAY HOMEWORK

"Every successful man has a successful story and that story is not created overnight ".In fact, every successfully accomplished story begins with the identification of a creative business opportunity.

Any business idea is backed by determination and FET feasibility. Yes it is FET feasibility only so don't get confused with FAT!!

In FET, one needs to conduct feasibility report which necessarily includes finding out if the idea is viable or not on the grounds of Financial, Economic and Technical(FET) basis.

We want our budding entrepreneurs to dream big and think out of the box to come up with the creative business ideas. While thinking about the new business opportunity students are expected to consider the following points.

- The idea should be original and creative.
- Do the SWOT analysis of your product and describe how it is different from the competitors product.
- Children must come up with the demonstration of their product IN ORIGINAL (Dummy Product) along with a proper presentation of its usage and importance.
- Plan the Marketing strategy layout by specifying the 4P's (Product, Price, Place and Promotion) of Marketing Mix.
- Prepare a detailed report (in written) on cost accounting and estimate the total cost of your potential product.
- Prepare a detailed report on various profitability ratios.
- The report prepared must include the estimate production cost of your product, the area where the product is planned to be launched, the funds available and the funds required to be raised from the market.
- Explain clearly how your product will bring change in the society and highlight the social contribution.
- Highlight how in the long run your product will contribute in the Economic development of the country.

✓ **Children are advised to watch the previously telecasted episodes of SHARK TANK.**

✓ **The preparation of the project is MANDATORY.**

✓ **THE COMPLETE REPORT IS TO BE SUBMITTED IN WRITING ON A4 SHEETS.**