



Holiday Homework

Grade – IX

Dear children

It's time to explore your potential again.

Summer vacation is a time for fun and frolic and the time to bring some constructive activities for you to enhance your learning process. Homework not only increases a student's learning but it also helps them to earn important life skills and instills a sense of responsibility.

ENGLISH:

The Sustainable Development Goals as a topic for Holiday Homework is chosen to make the students aware and responsible to protect our planet and eventually enjoy peace and prosperity.

INSTRUCTIONS:

1. As per the roll numbers the students have to prepare their holiday homework.
2. Use your creativity and innovative ideas in presentation.
3. Roll no.1 to 11- Make a Table Calendar on different SDG Goals for 12 months. You can cut, paste and draw pictures based on SDG goals on the handmade Table Calendar.
4. Roll no.12 to 23- Prepare one newspaper of four pages depicting SDG Goals by collecting the clippings from different newspapers. Also give a suitable title to your newspaper.
5. Roll no.24 onwards- Prepare a project file on different activities and programs carried out under SDG goals in JKGISV under the guidance of school management and teachers. (Collect information in this regard from your school Facebook page)

HINDI:

*रोल नंबर 1 - 12 तक के सभी छात्र मुंशी प्रेमचंद द्वारा लिखित "दो बैलों की कथा" पर आधारित कहानी मॉडल तैयार करेंगे।

*रोल नंबर 13-24 छात्र ईदगाह कहानी का मॉडल तैयार करेंगे।

रोल नंबर 24 से अंत तक सभी छात्र मुंशी प्रेमचंद की किसी अन्य मनपसंद कहानी का मॉडल तैयार करेंगे।

*कहानी को 5-6 भागों में बाँटकर दिखाया गया हो। कहानी के पात्र किले मिट्टी अथवा कार्डबोर्ड के कट आउट के रूप में प्रदर्शित किए गए हो।

*सभी छात्र उपसर्ग-प्रत्यय अथवा समास पर कोई वर्किंग मॉडल तैयार करेंगे।

MATHEMATICS:

Topic: Sustainable Development Goals (SDGs) and Maths

Objective:

To understand the Sustainable Development Goals (SDGs) and apply mathematical concepts to analyze and solve problems related to them.

Part 1: Understanding SDGs (Roll No. 1-15)

Research Phase

Define: What are the Sustainable Development Goals (SDGs)?

Explain the importance of achieving the SDGs for global development.

Goal Analysis

Choose one SDG and research its targets and indicators.

Create a bar graph to represent the progress towards achieving this SDG in a country of your choice.

Mathematical Modeling

Use linear equations to predict the progress of a country towards achieving an SDG over the next 10 years.

Interpret the slope and intercept of the equation in the context of the SDG.

Part 2: Real-life Application(Roll No. 16-30)

Case Study

Research a real-life project or initiative aimed at achieving one of the SDGs.

Describe how mathematical concepts, such as data analysis or optimization, were applied in the project.

Mathematical Analysis

Analyze the data or performance metrics of the project studied in the case study.

Calculate the mean, median, and mode of the performance metrics and discuss their significance.

Part 3: Problem Solving (Roll No. 31 onwards)

Resource Allocation

A country has a budget

SCIENCE:

ART INTEGRATION PROJECT

TOPIC- INDUSTRY, INNOVATION AND INFRASTRUCTURE (SDG-9)

SDG-9-seeks to build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE



AIM OF THE PROJECT –

To build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation.

State of Study – Uttar Pradesh & Arunachal Pradesh

ACTIVITIES-

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

Based on this quote description, include following subtopics-

-Introduction

-Project objective

-Examples of infrastructure – Effect of Industrial Infrastructure on human health and well being.

-Ways to build resilience factors in Infrastructure to face disasters and climate changes.

-Importance of innovation

-Conclusion

ROLL NO 21 -25 (Make a model using waste material as discussed in class)

Roll no 26-30 (prepare a presentation on given topic)

Roll no 31 -35 (make a poster /slogan on given topic)

SOCIAL SCIENCE:

Art Integrated Project

Topic:- DISASTER MANAGEMENT



AIMS OF THE PROJECT:

- 1.Reduce, or avoid the potential losses from hazards
2. Assure prompt and appropriate assistance to victims of disaster
3. Achieve rapid and effective recovery.

STATES OF STUDY: Uttar Pradesh & Arunachal Pradesh

Following essentials are required to be fulfilled for their preparation and submission:

- Select any one of the following projects.
- The total length of the projects will not be more than 10 pages.
- The projects will be handwritten and credit will be awarded to original drawings, illustrations and creative use of materials.
- The project reports will be presented in a neatly bound simple folder.
- The projects will be developed and presented in this order
 - i) Cover page
 - ii) List of contents
 - iii) Acknowledgement

- iv) Project overview
- v) Chapters
- vi) Summary and conclusions
- vii) Bibliography

1. Can disaster be prevented? Enumerate some of the ways through which impact of disasters can be reduced.
2. Floods: Examine its causes, typical effects and main mitigation strategies.
3. Road and rail accidents: Illustrate their causes, effects and main mitigation strategies.
4. Discuss the process of community planning for disasters.

Note: Prepare Poster/Slogan, Working project, PPT and Project file as per the division discussed in the class.

Source of study:-Books, Internet, Newspapers, Magazine etc

AI:

Do a research on Humanoid robots and submit an article on it in A3 sheet.

(HINT: Include images and make it interesting)

IT:

What to do : Create a presentation in MS-Power Point on the topic – “Sustainable Development Goal – Zero Hunger”.

The presentation should have 8-10 slides.

Mail the activity on the email ID : anshubhasin@jkgisv.com

Subject of the mail should be your name Class (e.g Ram Verma 9)

Parameters : Creativity , Originality, Overall Presentation

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.