

NRI City
Mainawati Marg
Kanpur



D. GOENKA
SCHOOLS

**HOLIDAY
ENGAGEMENT**



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WHERE ART MEETS TECHNOLOGY

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2022 - 23

Happy Holidays!!

With an array of emotions, we enter the golden months of May and June. With summer vacations right around the corner, exhilarated souls of the young and bright minds are bursting forth with unmatched spark. With the holidays comes an opportunity to unwind and relax. However, we ought to maintain a learning continuum even during the much needed break, and to let the creative juices flow, what better than an enriching dose of Holiday Engagement!

We have been handed the gift of time, which must be judiciously used via lucrative research and project work. With special care and attention, the Holiday Engagement work for all the subjects has been drafted by the teacher-mentors in order to make the learning process enlightening, productive by breaking monotony, thereby, keeping it light. A treasure box of educational activities to be done individually to boost self confidence, along with group activities to promote collaborative learning have been designed keeping in mind the 21st century skills. Experiential learning through hands-on activities and reflection is the focal point of the tasks listed, which would relate theoretical knowledge with practical one. It aids in the promotion of other skills like Leadership, Critical thinking, Creativity, Communication, Collaboration, and Information and Media literacy preparing the students for future pursuits, giving them an edge over others.

Principal

ENGLISH

Beyond the classroom!

The summer assignment in English will help you to enhance your educational quotient!

Do away with monotony and explore your English Literature books as they hold the mirror up to different aspects of life and people.

Instructions:

Use 2 pages of your blue Literature notebook. Make a neat and attractive research project on any **ONE** of the following:

1. Use 2 pages to create a profile of the famous author Ruskin Bond **OR** H.G. Wells. Put interesting facts, pictures and autobiographical details about him. Add details of famous books, quotes or stories written by him.
2. Use 2 pages to present an analysis of Robert Frost **OR** Carl Sandburg as a famous American Poet. Find some of the famous poems / lines written by this poet on poemhunter.com. Add details about the poet's life.
3. Read the section, Glimpses of India, on page 85 of your textbooks: First Flight. Based on this, do the following task:
Choose a destination in India which is on your wish list for the winter vacations. Create 2 pages about this place which includes : things to do / places to see / food trail/ places or persons of interest. Add relevant pictures and information. Give your reason for wanting to visit.

Work Specification:

The homework must be original and the proper references should be made in accordance with the task. Neat presentation would be highly appreciated. Do NOT use stickers / pearls / stones / glitter.

Date of Submission: 15th of July 2022.

SPANISH

"The world is a book and those who do not travel read only one page."

- Saint Augustine

Material/Resources Required:

A-3 or A-4 Sheets, Coloured pens, online research.

Instructions:

Prepare a tourist information leaflet/brochure on any city of FRANCE. Include the following in the leaflet/brochure:

- Sightseeing points.
- Food joints and restaurants.
- Hotels for comfortable stay.
- Places for shopping Write a story about how it got its name.
- Write a poem in praise of the city.

Work Specification:

Make your brochure/leaflet attractive with colourful borders, pictures, drawing and photographs.



Date of Submission: After summer vacation and to be included in internal assessment.

FRENCH

Material/Resources Required

A-3 or A-4 Sheets, Coloured pens, online research.

Instructions

Créer une histoire

Create a picture sort sequence using your own photos. Imagine that you are alone at home one day. What happens? Write a picture story, narrating what you did that day when you were alone.

Work Specification:

Illustrate with 5-6 photos. (showing what you did that day)

Écrivez une petite histoire en décrivant ce que vous avez fait quand vous êtes laissé seul/e à la maison sans aucune personne. «HOME ALONE» Faites une histoire intéressante de quelques photos, Qu'est-ce qui s'est passé ? Qu'avez-vous fait tout/e seul/e ? Aviez-vous peur ou vous êtes courageux/se.

Date of Submission: After summer vacation and to be included in internal assessment.

HINDI

Material/Resources Required

A4 size sheets, colour pens, glue, scissors.

Instructions

इस कार्य के लिए आपको आंतरिक मूल्यांकन के अंतर्गत अंक दिए जाएंगे

Work Specification:

- सूरदास भक्तिकाल के प्रसिद्धि भक्त कवि हैं। उनके जीवन परचिय के बारे में और जानकारी एकत्रित करें तथा उनके दो प्रसिद्धि वात्सल्य रस के पदों (कृष्ण के बाल काल) का संग्रह कर A-4 शीट में लिखकर उनका अर्थ लिखें और उन्हें याद भी करें।
- कहानी सम्राट प्रेमचंद की कुछ प्रसिद्ध कहानि पढ़ें और अपनी पसंदीदा कहानी के विषय में 100 शब्द लिखें। पात्रों, कथानक और शिक्षा का वर्णन करते हुए यह भी लिखें कि यह कहानी आपको क्यों प्रिय लगी।
- A-4 sheets को अपनी व्याकरण की कार्य पुस्तिका में चिपकाएँ।

Date of Submission: ग्रीष्मावकाश के बाद पहले सप्ताह में आप काम दे सकते हैं।

SOCIAL SCIENCES

CBSE Project Work

Objectives: The overall objective of the project work is to help students gain an insight and understanding of the theme and see all the Social Science disciplines from an interdisciplinary perspective. Students will be able to apply their prior conceptual knowledge that they have learnt over the years in order to prepare the project report. If required, students may go out, collect data and use different primary and secondary resources to prepare the project. The project work will help in art integration, enhancing the Life Skills of the students.

Topics: Consumer Awareness

OR

Social Issues

OR

Sustainable Development

Material/Resources Required:

A-4 size or file size simple sheets, recycle waste paper for Cover page, information and pictures from the internet, other stationary material. Once the project is completed, present it in a small file folder.

Instructions:

You may use information on the given topics from the internet.

For Consumer awareness -refer to the instructions given in the Economics section.

Sustainable development is based on optimum and judicious use of resources, their conservation; reuse, reduce and recycle resources; sustainable use of waste generated by a number of factories.

Social Issues - Any one of the following social issues- poverty, child labor, gender inequality, unemployment, caste, literacy, hunger, dowry system can be taken up. You can present your project to discuss the topic, prevailing conditions and solutions to tackle the problem.

The Project work will be assessed on the following: content accuracy, originality, Presentation and creativity.

Work Specification:

The project work should include- Title/ cover page, list of content, Introduction, main content, conclusion.

Date of Submission: As soon as when the school reopens in JULY after summer vacation.

GEOGRAPHY

Material/Resources Required:

Geography Notebook, colours, drawing material, pictures and diagrams from the internet.

Instructions:

Design the title page of the project using your creativity. Present the work aesthetically in the geography notebook.

Work Specification:

- Rainwater Harvesting: Many areas in Rajasthan, Maharashtra, Odisha, Madhya Pradesh face acute water scarcity. In Tamil Nadu underground water is almost depleted. The only solution to solve the water woes is Rain Water Harvesting- save it in depressions, recharge wells, reservoirs or divert into inundation canals. Prepare this short research based project highlighting the efforts of self help groups an-eg. Jal Saheli, jal panchayat and suggest other methods of rain water harvesting.
- Many Flowering trees are in full bloom and adding colors to Kanpur in the sweltering heat of May and June. Go for a drive with your friends in Kanpur or Bithoor Museum, Nanarao Park or any garden near you. Take the pictures of yourself along with those flowering trees and paste them in your notebooks. Try to identify those trees.

Hints: Reddish Orange flowering tree (Gulmohar), upside down bunches of yellow flowers (laburnum/ Amaltas), Rain Tree(serus) with yellow green feathery flowers, Queen's Crepe (Mauve colored bunches of flowers) etc.

Date of Submission: As soon as when the school reopens in JULY after summer vacation.

HISTORY

Material/Resources Required:

NCERT Textbook, Internet, History notebooks, pictures, Indian Political map

Instructions:

- A) The students can make use of the textbook and the internet for the project.
- B) The project should not exceed more than 3 pages.
- C) The students' work should showcase their creativity and be presented aesthetically in their notebooks.

Work Specification:

RISE OF NATIONALISM IN EUROPE

Write a report on Germania, Marianne and Bharatmata. Support your answer with the help of pictures and sources.

Date of Submission: 4th July, 2022

ECONOMICS

Material/Resources Required

A4 size sheets, colour pens, glue, scissors.

Instructions

Economics is one of the social sciences, which has great influence on every human being.

As economic life and the economy go through changes, the need to ground education in children's own experience becomes essential. While doing so, it is imperative to provide them opportunities to acquire analytical skills to observe and understand the economic realities.

The economics courses also contain many projects and activities. These will provide opportunities for the learners to explore various economic issues both from their day-to-day life and also from issues, which are broader and invisible in nature. The academic skills that they learn in these courses would help to develop the projects and activities.

Hopefully, the project on "Consumer Rights" will serve this purpose to the students.

Objectives of the Project

1. Highlight the issue of consumer rights within the context of the ways markets operate in our country.
2. To sensitise learners and encourage them to participate in the consumer movement.
3. To understand the importance of being a well-informed consumer arose out of consumer movement and active participation of people through their struggles over a long period. This chapter also
4. Providing details of a few organisations helping consumers in different ways.
5. Sensitising the learners to be aware of the product before buying the same.

Work Specification:

1. Make sure to mention the source of your information.
2. Kindly add the following pages to your project:
 - Acknowledgement
 - Index
 - Certificate
3. Images supporting your content will be appreciated.
4. The project should be handwritten only on A4 sheets.
5. Make sure to highlight the critical issues of the consumer movement in India.
6. Include case studies wherever necessary.
7. Do include an overview of the major milestones of the consumer movements in India.
8. Make sure that the facts are verified before they are incorporated in the project
9. Consult your project coordinator(Eco Teacher) wherever necessary.
10. Recent developments in consumer movements and awareness drives should be included in the project.

Kindly refer to the document in the link given below:

https://drive.google.com/file/d/10z7ozZGlVHYwSzFFTZte3TW0K7NdEK6O/view?usp=drive_sdk

Date of Submission : Immediately after the vacations.

SCIENCE

Project Work:

Prepare a working model on any scientific phenomenon around you. Highlight the science involved in any interdisciplinary observation also. You are also required to submit a chart or report explaining the model.

Few topics are given below :

1. Soil testing kit for agriculture.
2. Comparative reactivity of metals.

3. Electroplating in daily use materials.
4. Uses of electrolysis.
5. Novel Gadgets based on AI PRINCIPLE e.g devices used in Medical, Forensic, cyber safety applications.
6. Analysis of increased level of carbon emissions & its adverse effect e.g a novel detector.
7. A model of any human organ system (digestive system, respiratory system, excretory system, circulatory system), explaining its various organs and their functions.
8. A model of the human heart.
9. A model showing sex determination in humans.

You may choose any other topic of your interest as well.

CHEMISTRY

Complete first four practicals in the Chemistry Lab manual.

PHYSICS

Material/Resources Required

Web links, A4 size sheets, Geometry box, coloured pens & Tapes, glue & scissors.

Instructions:

Perform the following activities and record your observations in your Physics Register. Paste pictures or draw diagrams wherever possible to enhance the presentation of your work.

Work Specification:

1. Take a small Laser Light source (available as a small pen or a keychain) and make it incident upon a glass tumbler half filled with water. Record your observation explaining the phenomena upon shining the laser beam from one side on the tumbler on the lower and upper halves . Draw a labelled diagram for the same.
2. Observe your images in a vanity mirror, a plane mirror and your car's side view mirror. Explain the difference in the images formed. Draw appropriate diagrams to support your observations.

Date of Submission: 4/7/2022

BIOLOGY

Write the following experiments in your bio lab manual:

- 1) Prepare a temporary mount of a leaf peel to show stomata
- 2) Experimentally show that CO_2 is given out during respiration.
- 3) Studying @ binary fission in Amoeba and budding in yeast and Hydra with the help of prepared slides
- 4) Identification of the different parts of an embryo of a dicot seed.

MATHEMATICS

Part-A

Material/Resources Required

A scrap book or A-3 or A-4 sheets, coloured pens, glue.

Instructions:

Choose any one topic for your project work.

Project in a scrapbook (12 to 15 pages) to be submitted to the subject teacher.

The Project work will be assessed on the following parameters - content, accuracy, originality, presentation and creativity.

Work Specification

(A) APPLICATIONS OF ALGEBRA IN DAY-TO-DAY LIFE - Have you ever wondered how Algebra may be applied to solve real-life problems? We regularly see people using Algebra in many parts of everyday life, examples - Outdoor Landscaping, Home Improvement, Logical Thinking, Technology, Business and Finance Management.

Elaborate any two from the above examples with the help of relevant information and pictures/graphs/tables.

Part B

Following questions to be done from the reference book (R s aggrawal) in orange notebooks, to be submitted after the summer break. Kindly refer to the document.
HHW SUMS-CLASS 10

Ch-1

Real Numbers

Page -9 Ex -1A 0-4, 11

Page -16 Ex 1B Q 4 , 7, 9, 10 , 12 ,16,17

Page-26 Ex -1C Q-1.2

Page -36 Ex -1 D 9-4,8 , 15

Ch-2

Polynomials

Page -52 Ex-2A Q-1, 5,8, 13, 14,

Page- 63 Ex -2B Q-6, 14

Page -65 Ex -2c Q 5,6, 21,22, 23, 24

Ch-3

Pair of linear equations in two variables

Page - 109 -110 Ex -3 B Q-1 3,4,5,15 (substitution method)

Q 19 20,21,22 (Elimination)

Page-129 EX-3 D Q15,16,17,18,19

Page -151 E x -3E Q - 11, 13,15,23,36 37

Date of Submission:By the first week of July and will be marked as part of internal assessment.

COMPUTER APPLICATIONS

Material/Resources Required: Laptop / PC with Notepad and any web browser

Instructions: Create a web page using HTML with the Topic- "SEVEN WONDERS OF THE WORLD".

Work Specification: Consider the following points while creating the web page:

Title of the Web page to be - SEVEN WONDERS OF THE WORLD.

Background colour of the webpage to be aqua.

Font style to be Comic Sans MS, colour to be red and size to be +4

Mention the facts about each of the wonders of the world in a bulleted list format.

Insert an image of each of the wonders of the world.

Insert a line break after each wonder of the world.

Date of Submission: July first week
