

Get activated ! Innovate and create ! change your life ! change your world.

Our choices shift and change the course of our lives.

This summer , focus on your English assignment as an instrument of change. Do away with monotony and appreciate your own uniqueness in a positive manner.

Create a Notebook of about 8, A4 size sheets in a spiral binding. Make an eye catching cover:

‘Innovations : Change is constant’

Include the following in your note book :

1. A pictorial collage on 3, A4 size sheets about innovations in improving the quality of life. Use pictures / phrases/ information/ slogans highlighting the need to innovate and improvise simple basic infrastructure so that the quality of life improves.
2. If you could change a few things about yourself today, what would they be?
How would they help make your life and the world better?
Write an honest, introspective article about yourself! Use the Title : ‘Change is a Choice!’ word limit : 250 – 300 words.
3. A 2 page Book Review on : The Ultimate Gift by Jim Stovall.
It should include : Theme : Analysis ; My Impressions. Why I changed when I read the book.



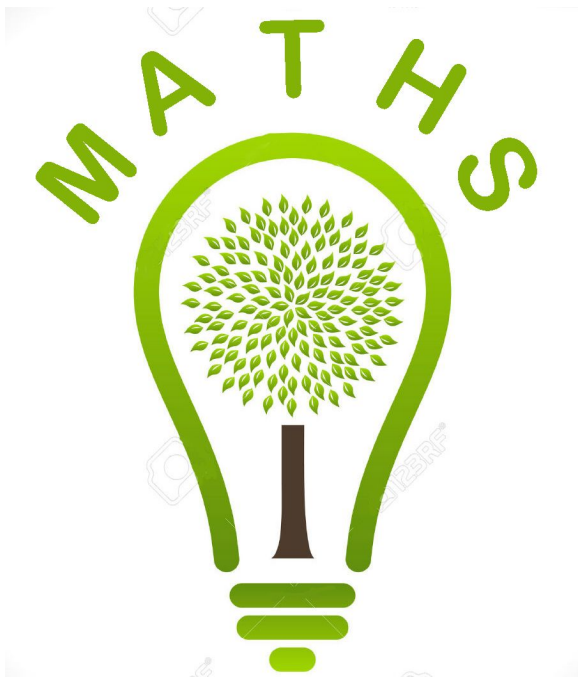
- बचेंद्री पाल भारत की पहली महिला थी जिन्होंने एवरेस्ट पर्वत पर चढ़ाई में सफलता प्राप्त की एवरेस्ट: मेरी शिखर यात्रा पढ़ें और 100 शब्दों में एक अनुच्छेद लिखें।

विषय- 'मन के हारे हार है मन के जीते जीत'

- तुम कब जाओगे अतिथि कहानी के आधार पर अनचाहे मेहमान और मेज़बान के बीच लगभग 50 शब्दों में संवाद लिखें।
- स्वास्थ्य और व्यायाम का महत्व बताते हुए छोटे भाई को पत्र लिखें।
- लेखक यशपाल और शरद जोशी की कुछ लघु कहानियाँ पढ़ें और जो कहानी आपको सबसे अच्छी लगी उसके पात्रों और कथानक की चर्चा करते हुए एक लेख लिखें।

टिप्पणी -

सभी कार्य अपने गृह कार्य पुस्तिका में सुंदर ढंग से करें इस कार्य के लिए अंक भी दिए जाएंगे



Student information.

- List of Contents
- Acknowledgement
- Introduction
- Description
- Bibliography.

FOLLOWING ARE THE TOPICS:-

I. MATHEMATICS IS AN INTEGRAL PART OF OUR LIFE.

Explore mathematics around you.

- *in the house...*
- *in the garden...*
- *in the market...*
- *in the bank...*
- *in the nature...*
- *and so on!*

Click photographs and create an album with brief description and attractive captions.

It will not only enhance your creativity, but also the information will add to your knowledge.

GUIDELINES FOR MAKING THE PROJECT:

EACH STUDENT MUST PREPARE AND SUBMIT A PROJECT FROM ANY ONE OF THE TOPICS MENTIONED BELOW. THE INSTRUCTIONS ARE AS FOLLOWS:

1. Total length of the project report should be of 12-15 pages.
2. The project should be hand-written and credit will be awarded to originality, illustration and creative use of materials.
3. The project should be developed in this sequence:-

➤ Covering page showing Project - title and

II. STORY OF DIGITS

- Discuss the history and origin of digits 0-9.
- Explore the Numbers around the world!!!
- About the digits used in Chinese, Roman and Arabic cultures.
- How did Egyptians and Greeks deal with Numbers?
- How did Egyptians manage to perform accurate measurements at ancient times in their vast construction projects like “Great Pyramids”?

Support your arguments with appropriate write-ups and make colourful and attractive posters (size A3) on the topic.

III. Explore Real Numbers and their hierarchy.

- Comment on their history and development.
- Explore the symbols for Real Numbers.
- Their application and connections to other areas/fields namely Physics, Computation, Set Theory etc.,
- Is there any other popular irrational number other than π ? Explore them!!

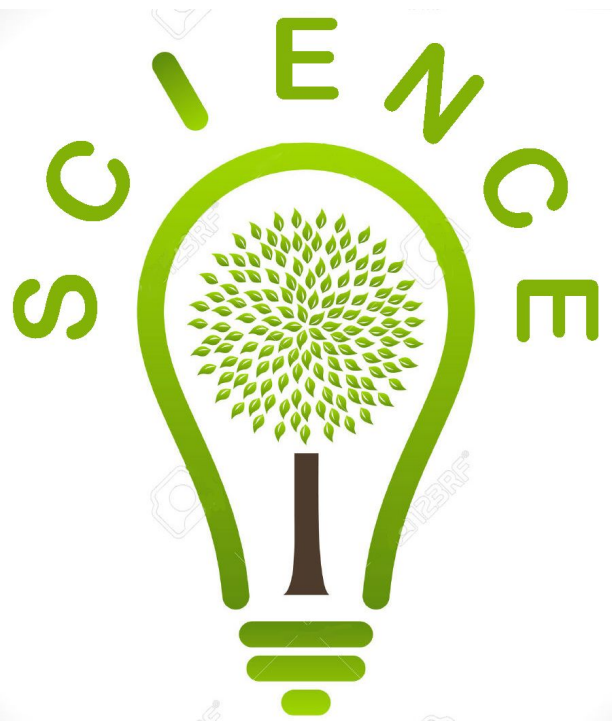
MATHS HOLIDAY HOMEWORK

SOLVE THE FOLLOWING QUESTIONS FROM THE REFERENCE BOOK "MATHEMATICS FOR CLASS-IX" BY S. CHAND.

POLYNOMIALS: REVISION EXERCISE:

Section C of the Exercise: Page No.130: Qn.14,17,20,24 and 29.

Section D of the Exercise: PageNo.131: Qn.11,12,14,16 and 22.



General Instructions:

All students are expected to submit the following after the summer vacations:

A. Students are required to submit a project file (Handwritten) on one of the three topics/activities mentioned below -

a) Students to perform “Sink or Float” activity and record their observations along with a project report. They can work on following guidelines.

- Take objects such as a cork, crayon, feather, small plastic toy, plastic straw, a coin, ice cube, a crumpled ball of aluminum foil, small bar of soap, a paper boat full of pebbles etc.
- Take a small tub and one by one place the objects and observe whether they float or sink.
- Analyze the factors responsible and the principle(s) followed.

- The report should have collection / display of these objects or their pictures along with discussion of observations and conclusions drawn.

b) Students are required to submit a project file on the topics mentioned below:

(i) The plasma state (ii) Bose Einstein condensate.

The following points may be used as guidelines :

- What does plasma consist of?
- Properties of plasma state
- Presence of plasma State in the sun and the stars
- Prediction of Bose Einstein condensate by Einstein
- Conditions for its formation
- Support your report with pictures.

c). Make a project exploring various genetically modified organisms that are used by human beings for their benefit.

B. ALL Students are also expected to do the following assignments in their Science registers (Physics, Chemistry and Biology respectively)..

- i. Do Assignment – 1 of Physics (motion) from the Science Assignment booklet. (Page No. 1)
- ii. Complete Assignment - 1 of Chemistry from (Matter in our Surroundings) from the Science Assignment booklet. (Page No. 25-26)
- iii. Do Assignment – 1 of Biology (Improvement in Food Resources) from the Science Assignment booklet. (Page No. 75)



- iii. List of contents and bibliography.

DISASTER MANAGEMENT

The city in which we live – Delhi - lies in the earthquake seismic zone 4. Being in a very vulnerable position, we must be in a state of preparedness at all times.

Each student has to prepare a research based project on “Earthquakes – An Ever Present Danger” with special emphasis on **disaster management techniques** and community participation, leading to mitigation measures and better preparedness by the citizens of Delhi.

The project should be handwritten, consisting of about 15 A 4 size sheets, encased in a **folder**. It will be judged on the following parameters:

- i. Content – accuracy and originality;
- ii. Presentation and creativity; and

Pictures and diagrams will add value to the project.

ECONOMICS ACTIVITY

During your field visit talk to some farmers:-

1. What kind of farming methods are farmers using?
2. What are the sources of irrigation?
3. How much of cultivated land is irrigated?
4. From where do farmers obtain inputs that they require?
5. Are they small or large farmers? Where do they obtain capital from?
6. Click a picture with the farmer and paste it.

To be done in ECONOMICS NOTE BOOK

GEOGRAPHY

Prepare a short project on Clean Ganga / Yamuna Program in your notebooks.(you may take a short stretch of any of these rivers where cleaning work is in progress). Enhance the work with the help of pictures and diagrams. Suggest our responsibilities and solutions to contribute towards improving the quality of any of the water bodies around us.



Design your own comic book using text and pictures in A4 size sheets. The front page should be creative & should have a relationship with the comic strips mentioned inside. There should be around 5 comic strips - which can be selected from the options given below.

1. Father & Son
2. Teacher & Student
3. Police & Thief
4. Two Friends
5. Husband & Wife
6. Mother & child
7. Doctor & Patient
8. Lady doing grocery shopping.