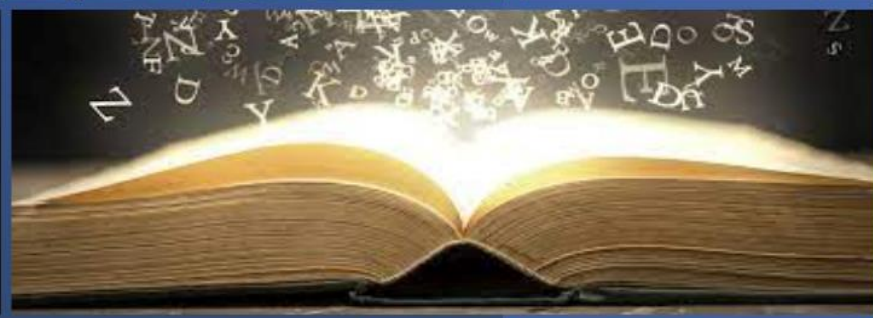
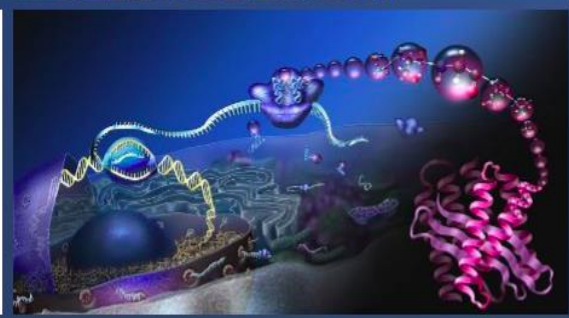




Pythagorean Theorem

$a^2 + b^2 = c^2$

S. Anbalagan,
Assistant Professor of Mathematics
Thiagarajar College of Preceptors,
Madurai



GANGA INTERNATIONAL SCHOOL, HIRAN KUDNA HOLIDAY HOMEWORK (2022-23)



Dear Parents
Warmest Greetings!

Summer vacation forms an integral part of every child's life. As summer rolls around, students ardently wait for the vacation to start to spend time with the loved ones, relax and rejuvenate.

Who wouldn't love to have a fun-filled vacation? Certainly, summer vacation time is exquisite and it also is the best time to learn new things and pursue their hobbies. Therefore, children need to utilize this time more wisely in dynamic learning. As parents it's important for you to keep your kids active and engaged with a variety of fun-engaging games and activities. It will help enrich their skills and keep them entertained during their break.

Reading is one of the best summer-time activities as it helps to improve their reading skills, helps to gain knowledge, increase vocabulary, etc. Summer vacation can be made interesting by going for trips as they give kids chance to explore the world with fresh air, exercise, and observation. Engaging kids in arts and crafts, gardening, watching movies, cooking, learning new skills, joining online courses, helping parents in daily chores, etc. help in the child's growth and development.

How can one ignore studies during summer vacation?

Dear parents, holiday homework provides the perfect opportunity to students to keep their 'intellectual mind' ticking over, and keeps them challenged and stimulated. It develops vital skills such as independent research, enhancing knowledge, etc. which ultimately helps them to prepare for university life. Parents' role in encouraging children to do their holiday task is an undeniably a major one. Therefore, you are expected to render your whole-hearted support to your kids in completing their homework. Thus, summer vacation can prove to be a time of fruitful exuberance as children reap benefits from them if spent wisely and intelligently.

Hope you all enjoy your family time, laughter, and have fabulous memories!

We wish you all a safe and fun summer time!

Happy Summer Vacation!

Regards

Principal
Ganga International School
Hiran Kudna, New Delhi



GANGA INTERNATIONAL SCHOOL, HIRAN KUDNA HOLIDAY HOMEWORK (2022-23) CLASS IX

ENGLISH

1. Read the Newspaper daily and write only one news article under the given headings like National, International, Sports, Glamour, Business and express your views on it.
2. Write a self-composed poetry on the given topics with:
minimum 4 stanzas
A) Music B) I am Blessed C) My School - My Pride
3. Depict any one of the following poems from NCERT Book- Beehive in a creative manner as an artistic representation and present it in the class.
1. The Road Not Taken 2. Rain on the Roof 3. Wind
How to do? -Use your imagination to convert the poem in an artistic representation i.e collage making with pictures from magazine or newspapers to be presented in the class. The presentation should be self- explanatory.
Where to do? - A3 Size sheets
Parameters for Assessment Relevance to content, creativity and presentation
4. Read any one novel of your choice and write its review:
 1. **Gulliver's Travels by Jonathan Swift**
 2. **Three Men in a Boat by Jerome k Jerome**
 3. **The Diary of a Young Girl by Anne Frank**
 4. **The Story of my Life by Helen Keller**
 5. **The canterville Ghost by Oscar Wilde**
 6. **Up from Slavery by Washington**
 7. **The Invisible Man by H.G Wells**
 8. **Silas Marner by George Eliot****How to do?** The review is to be written in 250-300 words keeping in mind the given aspects:
i. About the Writer ii. Summary iii. Favourite character iv. Analysis
Where to do?
A4 Size sheets
Parameters for Assessment Content, language and accuracy.
Please note that the work given must be done individually.

5. Make a colorful file of the following Poets:

- **Robert Frost**
- **Subramanian Bharti**
- **William Buttler**
- **William Wordsworth**
- **Robert Southey**
- **James Patric K Kinney**

Must Include the following Points -

When and where Born?

Alma mater?

Writing Style?

Famous Works?

Achievement?

6. Make a PPT on the topic 'REPORTED SPEECH'.

HINDI

- 1-महान साहित्यकारों की रचनाओं पर आधारित किसी एक रचना पर पीपीटी तैयार करें।
- 2-बाल मजदूरी पर रोक हेतु एक पोस्टर A 3 साइज़ शीट पर बनाएं।
- 3-पाठ्य क्रम पर आधारित उपसर्ग प्रत्यय और समास हेतु व्याकरण वृक्ष तैयार करें। (3 d इफैक्ट)
- 4-प्रेमचंद जी की किसी कहानी का सारांश और शिक्षा अपने शब्दों में लिखिए।
- 5-विभिन्न क्षेत्रों की प्रगतिशील और आधुनिक विचार धारा वाली महिलाओं का एक कोलाज तैयार करें।

FRENCH

1. Voyez un film et ensuite rédigez l'histoire en français en utilisant la dictionnaire.
2. Faites une affiche sur les monuments et la culture française sur A3 feuille.
3. Écrivez une histoire en utilisant les mots donnés :
Une petite fille, douze ans, le forêt ,des étrangers, manger, avoir peur, le lapin,etc.
4. Faites des exercices de livres de leçon -1 et 2
5. Écrivez une lettre à votre ami en lui décrivant ce que vous avez fait pendant les vacances.

MATHEMATICS

1. Make a project on the topic given below:

Note down death rate and recovery rate for every state and UT's of india for the year 2020.

Make a table using different colors for north, south, west and eastern states of india. Plot a bar graph (manual graph using pencil, scale, pencil colors on chart paper).

2 Mathematics Article; Draft an article about Mathematics, need of mathematics in daily life which may include a mathematician. Write two important things you have learned from the article. Also mention the Career Opportunities with Maths. Summarize the entire content in your own words. The project must be of at least of 5 pages.

3 Note down daily temperature of June month. Record morning, afternoon, evening temperature. Make a table and find the average for all 4 weeks of the month. Find the mean, mode.

4. Make a PPT

a. Types of shapes, triangle, quadrilateral, all 2D and 3D shapes, Formulae used in Surface Area and Volumes.

b. Algebraic identities.

5. Write down common formulas of vedic maths to find the square of nos. ending with 5, multiplication of two digit and three digit nos., divisibility rule for 2,3,4,5,6,7,8,9. Also show if any identity of maths is used.

6. Prepare a Portfolio showing all your achievements including your bio-data and your career preferences.

SCIENCE

PHYSICS

1. Design an experiment to find the speed of your favorite object? Make a data Table between distance and time. Use the gradient of distance – time graph to find the correlation between distance and time. Also hence comment on its speed at 5 different intervals of time.

2. Choose any one topic from the below given to demonstrate an application of pressure. Explain your findings on a Chart with pictures/diagrams. a) Soccer Ball Air Pressure b) Hot air Balloons c) Hydraulic Machines d) Role of pressure in spinning Ball e) Pressure Law of Gases f) Atmospheric pressure in straw water g) Atmospheric Pressure on earth and its applications h) Role of pressure in working of a hand pump i) Atmospheric pressure with Elevation

CHEMISTRY

1. Perform the activity at home and write in chemistry practical notebook. Observe the beam of the light through these mixtures.

i. A true solution of common salt, sugar and alum.

ii. A suspension of soil, chalk powder and fine sand in water.

iii. A colloidal solution of starch in water and egg albumin in water and distinguish between these on the basis of –transparency filtration, stability.

iv. Few drops of milk or ink in water.

2. Prepare a model on structure of atom. (Given by J.J THOMAS and. NIEL BOHR)

BIOLOGY

Prepare a project report on the following topics:

a) Animal Tissues (Roll Nos. 1-19) a) Plant Tissues (Roll Nos. 20-40)

SOCIAL SCIENCE

1. Prepare the Historical timeline on French Revolution and Nazism and rise of Hitler on an A3 size sheet
2. Make a miniature of a historical monument (European) by using waste materials like newspaper or cardboard or box etc4. Find out the longitude and latitude of your respective houses. (Download the Google Earth on your phone or computer and find out the location).
3. On an outline map of India, mark the following:
 - A) Range of India
 - B) Major lakes of India
 - C) National Parks
4. Prepare a COLLAGE on a A-3 sized sheet on wildlife and forests.
5. Collect information about 10 members of our Constituent Assembly. Make a collage of this information along with their pictures.

INFORMATION TECHNOLOGY

1. Explain IT and ITeS. Explain at least 5 different Technologies and their roles in business and country's growth.
2. Make a website using Wordpress.com website. Also, share your website link on the above given email id.
3. Make a chart on Application of IT in different fields with explanation.
4. Download Rapid typing tutor softwares and type at least 5 pages of the book and share the screenshot on the above given mail id.
5. Install Libre office on your computer and open Libre office Impress and attempt the following:
 - i. Create a presentation which demonstrates details of a car launched by any company of your choice.
 - ii. Include the following slides: (i) Introduction of the company (ii) List of cars the company sells. (iii) Introduction of the new car launched.

Happy Summer Holidays.

Enjoy the summer
with your close ones.



HAVE A
GREAT
Summer

