



KIIT World School

I am a Promise, I am a Possibility



SUMMER HOLIDAYS' HOMEWORK

Hope your summer is filled with **reading, writing,**
and most of all...**fun!**

Class IX





KIIT World School

I am a Promise, I am a Possibility

*Never
STOP
Learning!*

Dear Parents,

In summer's golden embrace, behold the holidays' allure,
When sun-kissed days dance freely, hearts find joy secure.
From bustling cities to serene shores, a world ablaze with glee,
Summer holidays arrive, unlocking souls and setting spirits free.

Summer vacations are a great time for the children to take a break from school and explore new interests and activities. So, let's pursue some interests and engage them in meaningful activities that can help them grow and develop.

- Summer vacations offer an excellent opportunity to pursue hobbies and master vital life skills like cooking, cleaning, and gardening, which not only aid in personal growth but also instil self-confidence and a lifelong love of learning.
- Help your child to be an early bird. Waking up early has two benefits. First you can stay productive and secondly you can do more activities that are stimulating and fun.
- Teach your child not to waste food. Acquaint with the hard work put in by the mothers and farmers.
- Expand your child's horizons and make him/her learn a new language while enjoying the holidays.
- Give wings to your child's imagination by the joy of reading, by visiting local libraries or bookstores, engaging math lessons with cooking, grocery shopping, and discovering the fascinating world of numbers.
- As a society, we are more connected and yet also less connected than ever before. So, in order to abridge this gap, share the values and culture of the extended family system by sharing interesting talks and anecdotes related to the same.
- Spend time outdoors with your child as it is the perfect time to engage in outdoor activities.
- Make travel plans with children to unveil captivating cultures, rich history, and breath-taking landscapes, as museums, historical sites, and national parks become their gateway to knowledge and adventure.
- Embrace the summer break with joyous bonding through board games, movie nights, culinary adventures, and making your children lend a hand in the household, forging cherished connections that last a lifetime.
- Carve out family time at the end of the day. Share stories with your children and impart some valuable life lessons and morals.

Last but not least, laugh together and strengthen your bond.

The last day for submission of holidays' homework is June 27, 2023, from 8:00am to 1:00pm



Kindly note: You are requested to submit your Holidays homework on 27 June 2023 between 8:00 am -1:00 pm to your respective CTs in school.

Class IX Session 2023 - 24

Theme:- G-20 Summit

हिन्दी

गतिविधि-1. जी -20 अधिवेशन की मेज़बानी के लिए भारत की तरफ से की जा रही तैयारियों की जानकारी देते हुए मित्र को पत्र लिखिए। (हिंदी पुस्तिका में)

गतिविधि-2. निम्नलिखित चित्र में दो बालक सफाई करते हुए दिखाई दे रहे हैं, उन दोनों के मध्य स्वच्छता अभियान के बारे में होने वाली बात चीत को चित्रात्मक रूप में चार्ट पर दर्शाए।



गतिविधि-3 अपनी पसंद अनुसार किसी प्रसिद्ध हिंदी लेखक का पोस्टर तैयार कीजिए तथा उनकी रचनाओं का उल्लेख ए-4 आकार की शीट पर कीजिए।

गतिविधि-4 कला - एकीकृत परियोजना कार्य :

‘स्वर्ग सा सुन्दर अंडमान हमारा- ‘अंडमान-निकोबार के प्राकृतिक सौन्दर्य, जलवायु, संगीत -नृत्य, त्योहार, संस्कृति आदि में से किन्हीं तीन का वर्णन करते हुए ए-4 आकार की शीट पर सचित्र व आकर्षक परियोजना कार्य तैयार कीजिए।

English

ACTIVITY 1- Poetry on Canvas

How to do: Depict any one of the following poems from NCERT Book- Beehive in a creative manner as an artistic representation on A3 Canvas sheet. You can draw, paint, create collage, draw graphics, or create a storyboard.

1. The Road Not Taken
2. Rain on the Roof
3. Wind

Parameters for Assessment: Relevance to content, creativity and presentation

ACTIVITY 2- Design your own newspaper on the theme G-20

How to do: The newspaper should have four sections

1. Current Affairs (G20), Editorial page, Entertainment page, Education page, Sports page
2. Make it interesting and engaging by adding the following:
Games & Puzzle- based on tenses, verbs, prepositions or conjunctions. (Any one) For example Snakes & Ladders on prepositions, sudoku, crossword puzzles, riddles, etc.

Where to do: A3 Size sheets (5 pages) Parameters for Assessment Quality of content, originality and presentation

Activity 3- Movie Review

"Movies can be a powerful tool to educate and inspire children, helping them to develop empathy, creativity, and critical thinking skills."

What you have to do -

1. Choose one English Movie from the following:
 - i. Jungle Book
 - ii. The Adventures of Tin-Tin
 - iii. Charlie and the Chocolate Factory
 - iv. Treasure Island
 - v. The Canterville Ghost
 - vi. I am Kalam
2. After watching the movie, answer the following questions on an A-4 Sheet
 - a) Who is your favourite character? Why?
 - b) If you could change the story what would you change and how?
 - c) Mention the scene in the movie that you liked the most and describe it.

Mathematics

ACTIVITY 1:

For Even roll no.

Find the national sports of 19 countries involved in the G20 summit.

- Collect the data of any one of the latest matches of atleast 5 countries.
- Make a comparison table for the two opponents involved and represent it in the form of Pie chart and Bar graph. (Make a 3 D model for the same graphical representation)
- Find out mean, median and mode for the same data.

Make the project report in the following manner on A4 sheets:

1. Cover page
2. Topic and related history
3. Name of Mathematics Concept used eg. Statistics and Coordinate Geometry.
4. Skills developed
5. Real life application
6. Observation and Conclusion.
7. Make the 3 D bar graph for the same on A3 Sheets.
8. Bibliography

For Odd roll no.

Project name: Women Empowerment

Make the project report in the following manner on A4 sheets.

1. Cover page
2. Topic and related history
3. Name of Mathematics Concept used
4. Skills developed
5. Real life application
6. Observation and Conclusion.
7. Make the 3 D bar graph for the same on A3 Sheets.
8. Bibliography

- Collect the data of the number of female contestants and male contestants in Elections in the last 5 Elections of any 5 Countries involved in G20.
- Make a comparison table for both and represent it in the form of Pie chart and Bar graph.(Make a 3 D model for the same graphical representation)
- Find out mean, median and mode for the same data.

ACTIVITY 2 :

For Roll number 1-10

Create a Storyline about the contributions made by any 5 mathematicians of different countries involved in the G20 summit(For eg. Manjul Bhargava from India) and Paste pictures and write about their achievements and contribution in good calligraphy. It must be prepared by joining at least 2-3 chart Papers and making it beautifully. Things to be involved in the banner.

Any one famous Mathematician of all 19 countries and their significant contribution in the field of mathematics starting from ancient times and recent ones.

For Roll No 11-20 <https://www.youtube.com/watch?v=YRCiEGIBSvA>

Make a 3D representation of the proof of the identity $(x+a)(x+b) = x^2 + (a+b)x + ab$

For Roll No 21-30

Prepare a 3D representation of the following activities in the form of a model or pictorial representation.

- To interpret geometrically the factors of a quadratic expression of the type $ax^2 + bx + c$, (where the middle term can be split) using square grids, strips and paper slips etc.
- To verify the following algebraic identity: $(x + y)^3 = x^3 + 3xy(x + y) + y^3$.

For Roll No 31-40

Prepare a 3D Representation of the activity “Prove that Area of circle is $A = \pi r^2$

For 40 onwards: Prepare a chart on 5 Vedic Mathematics tricks using your own creativity.

ACTIVITY 3 : Design a Board game or Toy out of Trash based on any of the Mathematical concepts. Points to be kept in mind while designing the game.

The game has to be very innovative and good for the display for exhibition and Mathematics lab.
It has to depict a particular concept very clearly.
Theme has to be “Mathematics as fun learning”

Activity 4 Solve the assignment.

https://docs.google.com/document/d/1pbKQAiflaGrKAZ6Ek8B1JWRkWX4Od_KB/edit?usp=sharing&ouid=104233749393887899600&rtpof=true&sd=true

Science

ART INTEGRATION PROJECT: Microorganisms are usually unicellular organisms having simple prokaryotic cells. The simplicity of the cell structure in terms of nucleus, the absence of membrane bound cell organelles and the size of the cell does not make them less effective. A recent study has shown that the islands of Andaman and Nicobar are becoming the breeding grounds of a special variety of drug-resistant bacteria.

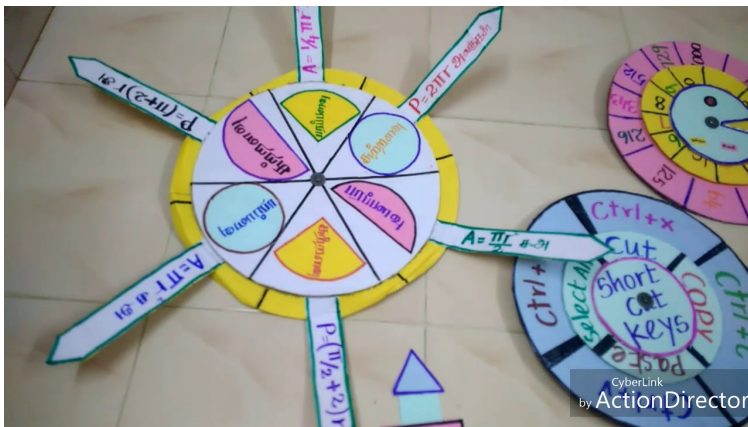
INSTRUCTIONS: Prepare a newsletter highlighting all the important facts about the drug-resistant bacteria and the scientists that are working on that project.

- Prepare the newsletter on A3 sized coloured sheets.
- Use your creativity to present the information in the form of witty articles, interesting and eye-catching captions, slogans and headlines.
- Add illustrations, drawings, doodles and cartoons to explain concepts wherever required.
- Your spotlight should be on the region of Andaman and Nicobar islands and the fundamental-unit of life “cell”.

Links for reference:

<https://www.hindustantimes.com/cities/kolkata-news/drugresistant-bacteria-found-in-fowls-in-remote-andaman-and-nicobar-islands-101677405522518.html>

3-D MODEL (THE ROTATORY BOARD) - G20 nations work in pursuit of strong, sustainable, balanced and inclusive global economic growth. The idea is to strengthen and promote the UN-SDG goals. Utilize your knowledge of circular motion and prepare a 3 D rotating board with at least 7 SDG goals displayed on it along with their logos.



Links for reference :

https://www.google.com/aclk?sa=l&ai=DChcSEwiNiPb079H-AhXNUGAKHYgcBIUYABAFGgJ0bQ&sig=AOD64_2_DRRoePycPbtUQtvbq86PsEEbfQ&q&adurl&ved=2ahUKewjAiO7079H-AhWap1YBHW2HDNcQ0Qx6BAGBEAE

<https://youtu.be/ZIYM8sQII5Q>

Social Science

1. Disaster Management -PROJECT MAKING

NATURAL DISASTERS A natural disaster is a major adverse event resulting from natural processes of the Earth. A natural disaster can cause loss of life or damage property and typically leaves some economic damage in its wake.

Following roll no. have to work upon the allotted projects

1. Floods in Kerala, 2022 (Roll. No.1-10)
2. Glacier burst in Uttarakhand, 2021 (Roll. No. 11-20)
3. Cyclone Nisarga, west coast 2020 (Roll. No.21-30)
4. Earthquake in Bhuj, Gujarat, 2001 (Roll. No.31-40)
5. Man made disaster-Chemical factory blast/ Methane gas tragedy (Roll. No.41 onwards)

Kindly note :

1. The projects and models prepared should be made from eco-friendly products without incurring too much expenditure.
2. The Project Report should be handwritten.
3. Use A4 size white interleaf sheets and maintain it in a creative folder.
4. Keep in mind the page limit-15 to 20 sheets.

2. My creative hands:

Andaman and Nicobar islands, Lakshadweep

Prepare beautiful wall hangings, callouts, cartoons, decorative informative lamps, depicting the culture, religion, language on Andaman and Nicobar islands.

1. Wall hangings (Roll No.1-10)
2. Cartoons (Roll no.11-20)
3. Decorative lamps (Roll no.21-30)
4. Infographic (Roll no. 31 onwards)

3. G-20 Summit - Fact File

Prepare a mini booklet highlighting the major features, facts, members, logo of G-20 summit 2023.

Computer Science

Activity 1:

Write a letter/ an email to future self

1. Imagine your future in the next 10 years (related to AI).
2. Type a letter or an email to your future self about what you want to see in the future or what you want to remind yourself of your future.
3. The following points can be included in letter/email:

- a. Start with your interests, hobbies, and skills.
 - b. Relate how AI can help you
 - c. Write about your career you want to pursue and how AI will make an impact on that.
4. Save the letter/ email in PDF format.
 5. Upload your pdf on the google classroom.

Activity 2:

Share a minimum of five ideas about Smart Home and write them on the sheet and upload your pdf/image on the google classroom.

Activity 3:

How do you think Artificial Intelligence can help you as you go about your daily life? Write them on the sheet and upload your pdf / image on the google classroom.

Activity 4:

Make a poster on the G20 summit theme on the platform of your choice on A3 size sheet.