HOLIDAY HOMEWORK
CLASS –X

ENGLISH
Your holiday homework this year is a fun mix of all the aspects of the language. It has been designed to ensure that you enjoy and learn at the same time. Do the homework in a folder using A4 size coloured sheets and present it beautifully.

1. Read the book ‘Daddy Long Legs’ (Remember, you will have an FA based on the story and the incidents, so ensure that you read the entire text).

Write a brief character sketch of the two characters that you liked the most in the story.

Pick up 20 words from the book. Find their dictionary meanings and use them in sentences of your own.

2. From the grammar workbook do all the exercises from units 1-5.

3. Make a bookmark. Write an inspirational quote behind it.

4. A diary is a record (originally in handwritten format) with discrete entries arranged by date reporting on what has happened over the course of a day or other period. A personal diary may include a person's experiences, and/or thoughts or feelings, including comment on current events outside the writer's direct experience. Someone who keeps a diary is known as a diarist. Diaries undertaken for institutional purposes play a role in many aspects of human civilization, including government records (e.g., Hansard), business ledgers and military records.

Make a diary of your own. Submit 10 best diary entries from it in your holiday homework file.

MATHS

I) Write an article of about 150-200 words on any one of the following:

1) Ramanujan Number

2) Application of geometry in day to day life

3) Application of algebra in day to day life

4) Application of mensuration in day to day life

5) Prime numbers

The selected articles will be published in the biannual mathematics magazine “MATHEMAXIM”
II) Project Work:

The student is required to do one project out of the given two projects. It needs to be submitted in a file.

Project -1

Explore the mysterious number \( \pi \) and make a report on the following lines.

[a] What is \( \pi \)?
[b] Value of \( \pi \)
[c] Archimedes contributions
[d] Chinese contributions
[e] \( \pi \) paradox
[f] Conclusion and applications

Project -2

Pythagoras theorem has been and will be widely used in many spheres of mathematics. There are many interesting proofs of Pythagoras theorem. Make a report on at least three different proofs of Pythagoras theorem. One proof which you can include is Bhaskara proof of Pythagoras.

The project report is to be developed and presented in the following order

- **Cover page** showing project title, student information, school and year
- **List of contents** with page numbers.
- **Acknowledgements** (acknowledging the institution, offices and libraries visited and persons who have helped).
- **Project Overview**: Purpose, Aim, Methodology and experiences while doing the project.
- **Chapters** with relevant headings.
- **Summary and conclusions** based on findings.
- **Planning** and activities that was done during the project, if any giving a calendar of activities.
- **Bibliography**: Name of the book, pages referred, author, publisher, year of publication and if a website the name of the website with the specific website link which has been used.
- All the photographs and sketches are to be labeled and acknowledged.

III) Do Ex 3.1 to Ex3.4 from “MATHEMATICS EXEMPLAR PROBLEMS FOR CLASS X” in a separate note book.

IV) Sharpen your mathematical skills by practicing from the following website: “www.indiabix.com”
SOCIAL SCIENCE

GEOGRAPHY

To enable students to grow up as active, responsible and reflective members of the society the students of class X are given project work on different topics related to disaster management. The students are divided into seven groups in each section and each group is given a separate topic.

Group 1 – Roll No. 1-6

Project -1 Tsunami

Choose a tsunami hit area and study the following in that region.

- Causes of the tsunami.
- Extent of damage and location of the epicenter. (use diagrams/pictures)
- Areas affected (use maps to explain)
- What are tsunami warning devices? Name different types of tsunami warning systems that are used in different parts of the world. (use pictures/make a model)
- How could the damage be minimized?
- What measures to be/are adopted to save the coastal fisherman and villagers, tourists and hoteliers?
- Prepare a few guidelines that are to be followed by the people so that they can prevent loss of life.

GROUP – 2 Roll No. 7-12

Project -2 Earthquake

Choose an earthquake affected area and study the following in that region.

- Causes of the earthquake.
- Extent of damage and location of the epicenter. (use diagrams/pictures)
- Areas affected (use maps to explain). What are earthquake measuring devices? Name different types of earthquake measuring devices that are used in different parts of the world (use pictures/make a model).
- How could the damage be minimized?
- What measures are adopted to save people?
- Prepare a few guidelines that are to be followed by the people so that they can prevent loss of life next time.

Group 3 Roll No. 13-18

Project-3 ‘Rescue team and disaster management team’.

- What are rescue teams and disaster management teams?
- Who can be a member of these teams? Mention their duties.
- Mention the objectives of these teams.
Name any one international disaster management team and highlight its disaster mitigation activities with the help of examples (collect pictures along with information)

Should we have a disaster management team in our school? If yes, then prepare a school disaster management team and prepare a list of activities that are to be performed by the team members.

Group – 4 Roll No. 19-24

Project - 4 ‘Survival skills’.

- What are survival skills?
- Choose any one manmade disaster which your locality is vulnerable to e.g. Building collapse, fire, gas leak, terrorist attack etc.
- Mention necessary steps to be taken for survival skills in the locality for the disaster.
- Develop posters and a small skit (10 minutes) for awareness generation.
- Prepare a list of instructions for your family members to deal with these accidents.

Group -5 Roll No. 25-30

PROJECT 5 – ADMINISTERING DISASTER MANAGEMENT

1. Interview any of the Govt./Non-Government functionaries in your locality on their role in disaster management:
   - Senior District Magistrate
   - Additional District Magistrate
   - Sarpanch
   - Head of any NGO /RWA– dealing in Disaster Management
   - Police inspector, Superintendent of Police
   - Ward Member/Councilor
   - Home guard personnel
   - Municipal authorities

2. Enquire from at least 20 persons from different walks of life in your locality on the disaster management and preparedness plans developed by them.
3. Prepare a report on the areas where awareness is needed and find out the ways to create awareness. (give examples)

Group -6 Roll No. 31- 36

PROJECT 6 – MANUAL FOR DISASTER MANAGEMENT

- You choose yourself to be any one authority on Disaster Management, such as District Magistrate, Police Inspector or Fire Services officer.

- Formulate laws or rules to be followed before, during and after a disaster for the most vulnerable groups in your area.

- Prepare a manual for your department’s officials to follow in an emergency. It should include rules to follow for health, safety, relief availability and distribution, law and order etc.
GROUP – 7   ROLL NO. 37-44

PROJECT 7 – PREPARING TO REDUCE THE IMPACT OF A DISASTER (MANMADE / NATURAL)

1. Choose any one disaster.
2. Write about the most vulnerable people/structures in your area.
3. Prepare a report on the steps to be taken in your school or in your locality to reduce the impact of the disaster.
4. Write the steps can be taken by you before, during and after the disaster.

INSTRUCTION

1. The project report is to be developed and presented in the following order
   • Cover page showing project title, student information, school and year
   • List of contents with page numbers.
   • Acknowledgements (acknowledging the institution, offices and libraries visited and persons who have helped).
   • Project Overview: Purpose, Aim, Methodology and experiences while doing the project.
   • Chapters with relevant headings.
   • Summary and conclusions based on findings.
   • Planning and activities that was done during the project, if any giving a calendar of activities.
   • Bibliography: Name of the book, pages referred, author, publisher, year of publication and if a website the name of the website with the specific website link which has been used.
   • All the photographs and sketches are to be labeled and acknowledged.

2. ALLOCATIONS OF MARKS

Total Marks allocated over the different aspects of the Project Work in the following manner:-
1. Content accuracy and originality 3 marks.
2. Presentation and creativity 3 marks.
4. Viva for content assimilation 2 marks.

3. CRITERIA FOR PROJECT WORK

Following are the criteria for evaluating Project Work :-

- Content accuracy and originality - Reads original sources and chooses content from books and internet
- Presentation - Presents report with original thoughts and opinions supported by facts.
- Process of Project Completion- Chooses topics on ones own, shares information willingly, interacts with teachers and peers willingly and takes responsibility.
Viva Voce
Answers of all questions in oral form
• Rerated to relevance and appropriateness
• Reflected upon original thinking
• Revealed confidence in believing in the work done

SCIENCE

1. Visit Qutab Minar and take photographs of “Ashoka Stambh” made up of an alloy of iron which has not rusted even after 1000 years. Find its composition and give reasons as to why it is still not much affected by atmospheric conditions.

2. Antioxidants have been found to be one of the possible factors to prevent diseases, like cancer, Alzheimer etc. In addition to these they are also effective in preventing a number of age related diseases. Find out
   a) what are antioxidants and where do you find them?
   b) how do they fight oxidative stress and free radicals?
   c) the health benefits of antioxidants.

3. The Science department is planning to start a Science newsletter shortly. For making this happen bring articles, amazing facts, riddles, cross-words, recent discoveries in the field of Science (minimum 2).

4. Read the advertisement given below and answer the following questions.

If you have touched or been near animals...

don’t forget to wash your hands!
(i) Which disease is being indicated in this advertisement?

(ii) Should the schools be closed for a short period in those areas where an epidemic of the indicated disease is reported? Discuss.

5. Design a household circuit (domestic circuit) on an A-4 size pastel sheet and answer the following questions.
   - Find the amount of voltage and current supplied to our homes.
   - Why is the electricity of two different ratings (5A, 15A) used?
   - Why do we connect all the domestic electrical circuits in parallel?

NOTE: All the work has to be done in FA notebooks.

FRENCH

✓ Ecrivez une lettre à votre correspondant en France en décrivant la fête de Holi.
  (Holi--- fête du printemps----en mars----se jeter les couleurs et les ballons de l'eau---
  encourager le fraternité-----Gujiya) (120-150 mots)

✓ Project
  Create a chart on Le Tour de France/Cannes Film Festival (Le Palme D’Or)

Instructions
  1. Draw and/or paste pictures.
  2. Take the help from newspapers/magazines/internet
  3. Include the latest information related to both the topics. (eg: when will both the event be held this year, etc.)

Customisation: The chart should answer the following questions:
  1. When & at what time of the year the event does takes place?
  2. History behind the event.
  3. What the event is actually about?
  4. Its importance in today’s world.

COMPUTER

Make a CAL package using PowerPoint & Flash or a movie in Windows Moviemaker on any one of the following topics:

1) India Shining
2) Awareness campaign on public issue - Child Labour
3) Indian Heritage
   The duration of the movie should be minimum 3 min.

Mail the CAL package/movie to school email id - skool.saket.del@apj.edu with the subject Computer Holiday Homework of Class X by 'Name of the Student'
हिंदी

1) आपको पुस्तकालय से हिंदी की एक पुस्तक दी जा रही है | उस पुस्तक का अध्ययन करके दिए गए बिन्दुओं के आधार पर समीक्षा करिए - 
   क) पुस्तक की कथा वस्तु 
   ख) प्रिय पात्र कौन और क्यों ? 
   ग) भाषा का स्तर 
   • प्रत्येक बिंदु पर अपने विचार अलग-अलग अनुच्छेद रूप में प्रस्तुत करिए। 

2) अपनी सहायक पुस्तक संचयन का पाठ 'हरिहर काका' पढ़कर दिए गए विषय पर अपने विचार अनुच्छेद रूप में (150-200शब्दों ) में लिखिए।

   हमारे बुजुर्गहमारी विरासत होते हैं।
   • उपरोक्त सभी कार्य हिंदी(F.A) कार्य-पुस्तिका में करना है।
   • मूल्यांकन का आधार भाषा-स्तर,प्रस्तुतीकरण व रचनात्मकता है।

BOOK CLUB

Reading helps you to foster empathy, morality, critical thinking, imaginations and creativity; it not only broaden your interests, spark your passions, but also inspire you to think and do great things. Joining a book club is one of the greatest ways to develop all of these wonderful qualities. Our school also has a Book Club. Any student can be the member of this book club. Every month we choose a book to read and given a month time to read it. Then we have a discussion on the book in which anything related to the book, content or an interesting part of the book is read out.

The core idea of a book club is to come to express, share. As people, we can learn things independently, come up with great ideas alone, or enjoy books by ourselves. But a special feeling arises when we come together to share these experiences. It is human nature to want someone to hear what you have to say. It's empowering! It's fun! And it's what the book club is all about.

During this summer vacation the book to be read is “The Immortals of Meluha by Amish Tripathi".