

GENERAL INSTRUCTIONS :

- All the projects involving data research, presentations, book reviews etc. should be done in A4 size coloured sheet.
- Models (if any) should be made separately.
- Students will bring the holiday homework and models as per the instructions given to them by their subject teachers, once the school reopens in the month of July.

DELHI PUBLIC SCHOOL, FARIDABAD

Holiday Homework (2016-2017)

Class - IX

ENGLISH

1. Enjoy reading MCB unit 'Adventure'. You will read an account of the final stages of Amelia's Life. It is a saga of struggle and courage.

Read about her early life - the factors that inspired her to become an aviator and the difficulties she faced. Make a project on her life. Here is a list of the reference books and websites which will guide you in your endeavour in making a project. The Project will be assessed for FA I.

REFERENCE ON AMELIA EARHART

- The Sound of Wings by Mary S. Lowell, 1989, Century hutchinson Ltd., ISBN 0-09-173596-3.
- Last Flight by Amelia Earhart (arranged by George Palmer Puttman from correspondence), 1988, Crown Publishers, ISBN 0-517-56794-6.
- The Epic of Flight : Women Aloft by Valerie Moolmam, Time / Life Books, ISBN 0-8094-3289-7.
- Biography : Amelia Earhart by Blythe Randolph, 1987 Frankin Watts Publishers, ISBN 0-531-100331-5.

WEBSITES

- www.ellensplace.net/eaaintr.html
- en.wikipedia.org/wiki/Amelia_Earhart
- www.acepilots.com/earhart.html.

2. There are plenty of little steps that people can take to help save the environment. In making some small changes to the way that you do things at home, you are gradually making a difference, even as an individual. You will kill costs and improve your health at the same time, so helping to save the environment isn't a totally altruistic exercise.

Make a collage depicting the various ways in which we can contribute to save Mother Earth. The collage work will be assessed for FA III.

MATHS

1. Design a mathematical newspaper which includes interesting, entertaining, knowledge oriented questions, puzzles, facts, riddles, crosswords, poems, articles, reports, pictures, designs, latest in mathematics, mathematicians, history etc. Also, give an appropriate name to your newspaper. (minimum of 4 pages.)
2.
 - a. Collect the information about the bidding value of 11 players of any 5 teams of IPL 2016.
 - b. Draw bar graphs, showing the players and their bidding values for any 2 teams. (One bar graph for each team)
 - c. Draw a pie chart to represent number of players from different countries in any 5 IPL teams taken together.
 - d. Watch final match of IPL 2016, record the runs scored by each team in each over. Plot a histogram taking class intervals 0-2, 2-4, as overs on X-axis and runs scored on Y-axis.

PHYSICS

Prepare a working model in a group of two or three on any one of the following topics :

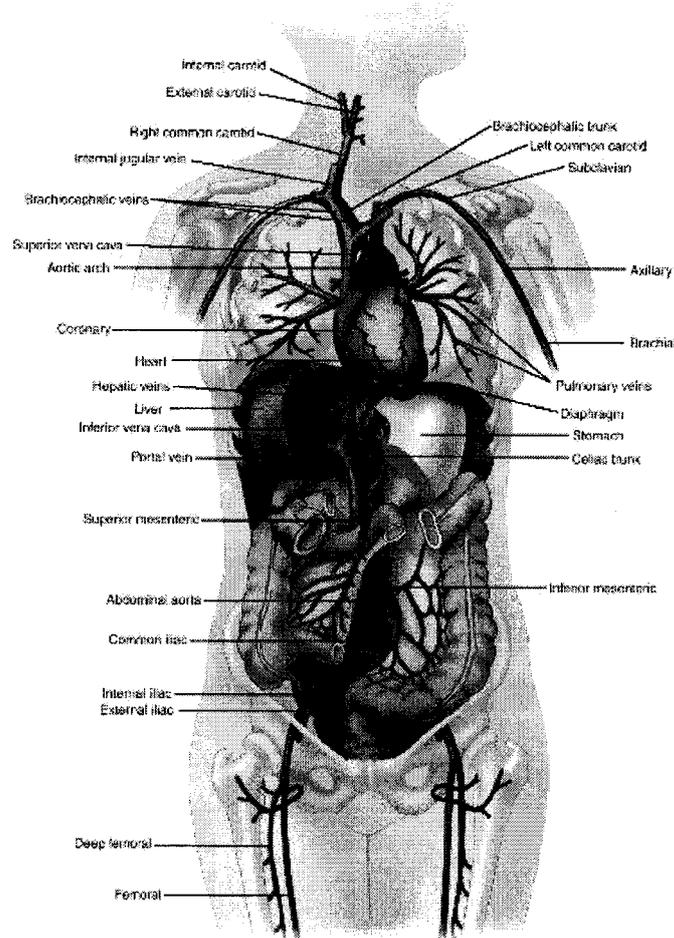
1. Energy transformation & conservation
2. Demonstrating properties of Pressure
3. Demonstrating Laws of Motion

Guidelines :-

1. Model should be working based on your innovative thought.
2. Avoid use of non-biodegradable materials.
3. Model shouldnot be too bulky.
4. Maximum dimensions of model should be 30inch × 30 inch.

BIOLOGY

LET'S KNOW OUR BODY



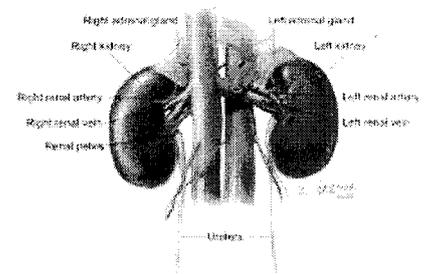
- Students are required to choose any one of the below given topics and prepare a project report in scrap book. Guidelines for the preparation of project is given for both the topics. Project should be well illustrated by picture. Creative input of the child would be appreciated.

Topics:

A. To study the technique of dialysis in artificial Kidney.

Guidelines: ● Role of Kidneys in our body.

- Reasons for Kidney failure.
- Consequences of kidney failure
- What is dialysis?
- How does dialysis provide solution to patients suffering from kidney failure?
- Structure and functioning of dialysing unit.
- Advantages and disadvantages of dialysis

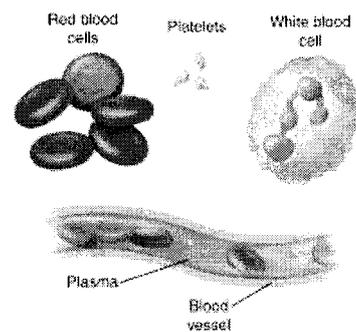


OR

B. To study and analyse the human Haemogram.

Guidelines: ● What is Blood?

- Composition of Blood.
- Shape structure and function of various types of blood cells.
- Composition and function of plasma.
- Functions of blood in our body.



Find out the least 5 different diseases in which the levels of any five types of WBC's (lymphocytes; monocytes; neutrophils; basophils; acidophils) or RBC's are more or less than normal values.

Tabulate the observation as given below:

S.No.	Name of disease	Normal blood count	Blood count of the patient	Reasons for the abnormal count
1				
2				
3				
4				
5				
6				
7				
8				

CHEMISTRY

- Explain Natural and synthetic dyes. Collect different samples of both the dyes and paste in the activity notebook.
- Identify the compositions of the following mixtures which are commonly used

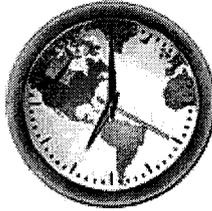
i. Rectified Spirit	ii. Vinegar
iii. Iodised Salt	iv. Baking Powder
v. Glass	vi. Tincture of Iodine
vii. Cement	viii. Stainless Steel
ix. White Gold	x. Alnico

SOCIAL SCIENCE

GEOGRAPHY



London



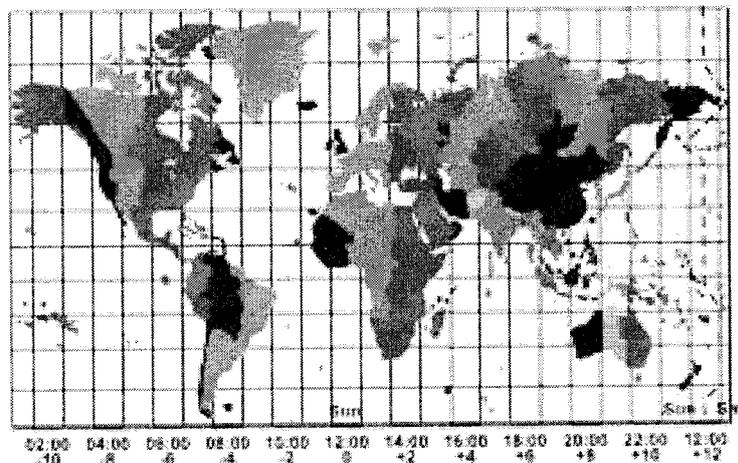
New York



Tokyo

- Write a report on 'World Time Zones' (4 pages)
Give details of calculation of time with the help of longitudes.
- The report has to be written on 4 sheets of the Scrap Book.
- Use a world map (political) to show the time zones.
- Paste pictures of the time zones of
 - i. Russia
 - ii. Canada
 - iii. USA
- Specify the importance of time zones.

World Time Zones



ECONOMICS

"Only when the last tree has died, the last river has been poisoned and the last fish has been caught, will we realize that we cannot eat money."

Green revolution is seen as a saviour to Indian agricultural practice but it draws a lot from the nature leading to its exploitation. Prepare a report on its :-

- History
- Agricultural production and food security
- Criticism
- Norman Borlaug's response to criticism
- New green revolution

Also prepare a picture story (collage) for the same.

हिन्दी

- प्र.1 'मेरा परिवार' नामक पुस्तक में महादेवी वर्मा द्वारा पाले गए जीव-जंतुओं को लेकर विभिन्न संस्मरण दिए गए हैं। पाठ्य क्रम में आए संस्मरण गिल्लू को छोड़कर अन्य कोई संस्मरण ध्यानपूर्वक पढ़ें व किसी एक को सार रूप में लिखें।
- प्र.2 हमारे देश के विभिन्न हिस्सों में मिट्टी के अलग-अलग रंग-रूप देखने को मिलते हैं। इस संबंध में विशेष जानकारी हासिल करें व लिखें।

नोट : यह कार्य हिन्दी अभ्यास पुस्तिका (F.C.) में करें।

संस्कृत

- प्र.1 इकाई-2 की धातु रूप तथा शब्द रूप की एक धातुरूपावली बनाएँ।
- प्र.2 संस्कृत साहित्य के इतिहास की जानकारी प्राप्त करें तथा प्रमुख वैदिक मंत्रों का सस्वर स्मरण करें।

FRENCH

1. Décrivez votre pays.
 - i. les rivières
 - ii. les montagnes
 - iii. les monuments
 - iv. les lieux touristiques.Faites un dépliant avec les images.
2. Faites le livre des conjugation des verbs.
au présent, au passé composé, au Futur (au moins 25 verbs)
3. Faites un CD
Dans le CD décrivez la grammaire française
 - i. Articles (défini, indéfini, contracté, partitifs)
 - ii. Adjectifs (possessif, démonstratifs, qualificatif)
 - iii. Négatifs
4. Faites une affiche sur (la civilisation française)

LIFE SKILLS

Teach a child or an adult who is illiterate, and help them to learn the following :

'EACH ONE TEACH ONE" Project -

- teach him or her to write own name and sign own name
- counting from 1 to 31
- days of the week
- names of the months.
- teach them day/ date/ month/ year

This will help them to understand dates and use their signatures when required.

- Last day- present your student with an ice cream of your choice to celebrate the learning and take a selfie with your student together with the sheet where your student has written his/ her name and date)