



Delhi Public School

Kolar Road Bhopal

SUMMER HOLIDAY HOME WORK

SESSION: 2018 - 2019

CLASS - IX

SCIENCE

- Write the experiments of **Physics, Chemistry & Biology** (as instructed) in separate Practical Files under the given headings :

- Aim
- Materials Required
- Theory
- Procedure
- Observation Table
- Result
- Precautions (3-4)

Note –

1. Experiments to be written from the Lab Manual (as instructed). Observation table will be filled up after practicals will be conducted in respective labs (after vacations).
2. This shall be considered as a subject enrichment activity.

SOCIAL SCIENCE

DISASTER MANAGEMENT – PROJECT WORK

As per CBSE guidelines, students have to submit a handwritten project on any one of the related topics on Disaster Management. Students are requested to utilise their summer vacation to complete this project which will be followed by viva voce/written assignment.

TOPIC OF THE PROJECT – TYPES OF NATURAL DISASTERS & CASE STUDY OF ANY ONE (FROM 2012-2017)

GUIDELINES FOR SUBMITTING THE PROJECT

1. Use A4 size sheets.
2. It should be a hand written project (blue or black pen should be used).
3. You can use newspaper clippings, maps, diagrams and material from the web.
4. Each illustration should be supported with a write up/relevance to the topic.
5. The cover page should be written in bold letters with the topic, name and roll number.

FOLLOW THE SEQUENCE OF PAGES AS GIVEN BELOW:

- a. Acknowledgement
 - b. Index
 - c. Define disaster and its types (describe in 2 pages with illustrations)
 - d. Causes of disaster (illustrations)
 - e. Extent of damage to life & public property (illustrations)
 - f. Who is responsible (illustrations)
 - g. Steps taken by the Govt. to combat with this situation (illustrations)
 - h. Organizations working to help the victims (illustrations)
 - i. students suggestions for prevention of such type of disasters
 - j. Dos and don'ts for next time to avoid such disasters
 - k. Bibliography
- * **Maps, pictures, graphs, etc.**

6. Use hard bound cover pocket file or get your project spiral bound.
7. Minimum number of pages for the project: 25

MATHEMATICS

Archimedes was a Greek mathematician who first calculated the digits in the decimal expansion of π . He found that the value of π lies between 3.140845 and 3.142857.

Aryabhata was the great mathematician who found the value of π correct to 4 decimal places $\pi = 3.1416$ (nearly).

Describe in detail the life of great mathematician Archimedes and Aryabhata under the following points:

- (i) History of π
- (ii) Importance of π
- (iii) Contribution of these mathematician regarding π and submit in folder.

हिन्दी

1. खेल, शिक्षा एवं व्यापार जगत में घटित होने वाली एक-एक घटना को शीर्षक के साथ समाचार के रूप में लिखिए।
2. विज्ञापन रचना- परियोजना कार्य
 - विज्ञापन रचना के 5 आवश्यक बिंदु
 - अच्छे विज्ञापन की 5 विशेषताएँ
 - विज्ञापन के प्रकार
 - किसी एक वस्तु की अधिकाधिक बिक्री के लिए रंगीन एवं आकर्षक विज्ञापन रचना कीजिए।
(संपूर्ण कार्य फाइल में व्यवस्थित रूप में जमा करना है)

SANSKRIT

- कोई भी पाँच शिक्षाप्रद विज्ञापन जो हिन्दी या अंग्रेजी भाषा में हो, किन्तु अनुवाद संस्कृत वाक्यों में करके विज्ञापन को सचित्र ए4 साईज पेपर पर चिपकाएँ।
- कोई सात सूक्तियाँ लिखें और उनका भावार्थ भी लिखें। साथ ही यदि उस सूक्ति में कोई संधि पद हो तो विग्रहित करें।

FRENCH

- Make a travel brochure for Cannes Film festival (Histoire de Cannes).

I. T.

- Imagine you are the student head of the IT club of your school. You are organizing an IT FEST along with some other students of the club. The name of your club is "IT Geeks".
- Design a poster in MS Word to inform the students of the school about the event. You can include the following:
 - (i) Name of the Event
 - (ii) Date & Time of the Event
 - (iii) Any Logo/motto you want to give
 - (iii) Contact details of organizers.
- Use all the possible features of MS-Word and bring the printout for the same.

Principal
DPS Kolar Road