CLASS - IX	SUMMER HOLIDAY HOMEWORK

GENERAL INSTRUCTIONS:

- Handwriting should be neat and legible.

- The holiday homework would be graded.

- The work should be original and not copied from internet.

- The assignments should be submitted to the respective teachers as per the submission dates mentioned below.

ENGLISH/SOCIAL SCIENCE (submission date 3/7/15)

1. Make a scrap file on Natural disasters- causes and precautions to be taken with articles and report on the recent Nepal earthquake.
2. Select a Human induced disaster from the following according to your Roll no. And Prepare a report on it covering following points :- (Paste pictures also)
3. (To be done in social science file)

TOPIC	ROLL NO.
Nuclear Accident	1 to 12
Chemical and Industrial Accidents	13 to 24
Biological Disasters	25 to 40

Points to be covered:

- Areas or industries prone to this disaster.
- Any Recent happening (at least 2 examples)
- Survival Skills
- Preventions / Precautions that can be taken to avoid future recurrence.

हिंदी ग्रीष्मावकाश गृहकार्य (submission date 2/7/15)

- परियोजना कार्य

नीचे लिखी वेबसाइट लिंक पर जाकर प्रेमचंद द्वारा रचित किन्हीं पाँच कहानियों को पढ़ें तथा कोईदो कहानियों के शीर्षक सहित उनका सार,संदेश एवं अपना दृष्टिकोण चित्र सहित प्रकट करें ะ–

http://premchand.kahaani.org/2009/09/contents.html

- दिए गए विषयों में से किसी एक विषय पर चित्र सहित आकर्षक विज्ञापन बनाइए(A4 size sheet) ०–
  साबुन, पेन, टीवी

MATHEMATICS (submission date 3/7/15)

Prepare a project report on the topic assigned as per your roll no

TOPIC	R.NO.
MAKING PLATONIC SOLIDS • Mention about 5 platonic solids and its properties. • History • Procedure of making Platonic solids. • Verify Euler's Formula for each of the solid.	**1-7**
2. Exploring Fibonacci numbers. Explore in nature the things that correspond to Fibonacci numbers with pictures. For example: When counting the number of petals of a flower, it is most probable that They will correspond to one of the Fibonacci Numbers. It is seen that: a) White calla lily has one petal. b) Euphorbia have two petals. c) Trillium have three petals. Explore more such examples with pictures from internet.(give at least 6 examples)	**8-14**
3. EXPLORING MATHEMATICS AROUND US. • Look around yourself (in the house… ,in the garden…, in the market…,in a bank…, in the nature… so on • Click photographs and explore the hidden mathematics.	**15-21**

4. EXPLORING PASCAL TRIANGLE (take upto 10 row)
• Definition
• History
• How to construct it.
• Mention about the properties.
  The sum of the numbers in any row is 2n, when n is the number of the row.
  Property related to prime number.
	22-29

SCIENCE (submission date 1/7/15)

Make a **working model** on one of the following topics as assigned in the class.

- ➢ 3D model food web,
- ➢ Model of cell with detailing of organelles,

- ➢ Pollution free designs for automobiles,
- ➢ Water purification plant,
- ➢ Tyndall effect,
- ➢ Bohr's Atomic model
- ➢ Test kit for food adulteration
- ➢ Cloud seeding and artificial rain
- ➢ Disaster management
- ➢ Preparedness for disaster management-both natural and man-made
- ➢ Cost effective and environmental friendly waste management;
- ➢ Better information and public address systems in the event of disaster to prevent chaos and confusion
- ➢ Wind mill/water mill for grinding grains/drawing water from the well and to generate electricity

संस्कृत (submission date 3/7/15)

1. उच्चारण स्थानों पर चित्र सहित एक प्रोजेक्ट बनाएँ।

FRENCH (submission date 3/7/15)

Couverture du livre : Make a beautiful French Book cover of a Novel.
Show your creativity using coloured sheets, pictures etc

COMPUTER (submission date 6/7/15)

Make A4 sized collage/movie/website on any one topic:

- From Gender Discrimination to Gender Equality
- Online Education
- Green House Effect

Happy Holidays!