

G. D. Goenka Public School, Gwalior

Holiday Project Work, 2017-18

Class 10



Dear Children

Summer is a time to relax, reflect and renew ourselves for the ongoing academic year. Reading a good book helps us do just that. Reading expands the mind, uplifts the spirit and widens the horizon.

Richard Steele has rightly said, “Reading is to the mind what exercise is to the body.”

As per CBSE syllabus at least one book is to be read in each term as a part of the Reading Project. Your book for the first term is:

**The Fault in Our Stars**  
-- by John Green

Put together an attractive file containing information about the following:

- Author
- Summary
- Protagonist
- Message

Express your ideas through pictures too. Write on A4 sheets and present them neatly. Do not forget to decorate the cover aesthetically with a designer title. The project will be included in the first term assessment.

For CBSE evaluation, scan the content and save it on a CD. Submit the file and the CD.

# SCIENCE



## **General Instructions:**

***All students are expected to submit the following after the summer vacations:***

***A. Students are required to submit a project file /Scrap book on one of the topics mentioned below.***

- I. For any place in India of your choice, prepare an elaborate report on:
  - A. Water sources in the Area
  - B. Biodiversity of the Area
  - C. Major sources of pollution in the Area
- II. “With the crisis of energy increasing day by day the need for alternative sources of energy has also increased”. Submit a detailed report on “Energy crisis and some feasible and economical solutions”.
- III. \*Describe diseases affecting our digestive system and respiratory system (Minimum three \* Paste pictures to supplement your project.  
\* Mention cures and preventions of the diseases.

***B. ALL Students are also expected to do the following assignments in their science registers.***

- 1) Complete assignment 1 of Chemistry (Chemical Reactions and Equations) from the science assignment booklet.
- 2) Complete chapter – 6 (page number 75, 76, 77 & 78) from Goenka Science Assignment in Biology Notebook.
- 3) Do all questions of Assignment – 1 of Physics (Electricity) from the science assignment booklet. (Page – 13).

# SOCIAL SCIENCE

## CBSE PROJECT ON DISASTER MANAGEMENT

- A) Prepare a model on Earthquake or floods.
- B) **Civics** : Social movements are large sometimes informal, groupings of individuals or organizations which focus on specific political or social issues. Prepare a project on currently struggle and movement in the world with paste pictures, datas and newspaper cuttings.

# MATHEMATICS

## GUIDELINES FOR MAKING THE PROJECT:

Each student must prepare and submit one project from the topics mentioned below. The instructions are as follows:

1.Total length of the project report should be of 10-12 pages. 2.The project should be hand-written and credit will be awarded to

originality,illustration and creative use of materials.

3.The project should be developed in this sequence:-

- Cover page showing project title and student information.
- List of Contents
- Acknowledgement
- Introduction
- Description
- Bibliography.

## FOLLOWING ARE THE TOPICS:-

### *I. SYMBOLS IN MATHEMATICS*

Dear students ! Have fun exploring the Symbols in Mathematics, that we use very often. For example,

- symbol for congruency and similarity,
- symbol for angle and right angle,
- symbol for “ infinity,”
- symbol for zigma’ ,
- symbol for  $\pi$ ,

➤ symbol for Ratio and proportion etc.  
Make a project on Symbols in Mathematics,

Do Research and Discuss

- Their origin and utility
- Founder of the symbol
- When the symbol came into existence
- Its popularity and acceptance
- In which branch of mathematics it is used?

Make the pictures of the Symbols very attractive and colourful. You will always remember them whenever the same used in the class-room!

## ***II. STATISTICS IN NEWS PAPERS.***

Appreciate the role of “Statistics” (example: Pie chart, bar graph, histogram, frequency polygon, average, median, mode, percentile etc., which we come across) in News Papers. Support your arguments with appropriate news paper cuttings and highlight the concepts used. Explore the various business News papers (like Economic Times) and explain the involvement of Maths in the field of Business, Commerce and Economics.

### **I. Explore the story of “Dice”**

- ★ Comment on its origin, history, Usage, Construction, Arrangement and Manufacture.
- ★ List down the various types of dice, namely Non-Numerical, Spherical dice etc.,
- ★ Discuss the different shapes of “dice” namely tetrahedron, cube, Octahedron, Icosahedron, Dodecahedron etc.,
- ★ Applications in the field of ‘Games’.

**SOLVE THE FOLLOWING QUESTIONS FROM THE REFERENCE BOOK “MATHEMATICS FOR CLASS-X” by S. CHAND.**

**PAGE NO: 156 –SECTION B:- Q 2, 4, 7, 12**

**SECTION C:- Q1, 3, 7**

**SECTION D:- Q 1 ,4, 5**

# हिंदी

- 1) भारत आर्यो का देश कहलाता है। इसका एक स्वर्णिम इतिहास है। इसी को ध्यान में रखते हुए 'भारत : एक खोज' पर एक परियोजना कार्य तैयार करें।  
परियोजना कार्य तैयार करते हुए निम्नलिखित बिंदुओं का ध्यान रखें –
  - भारत के किसी एक (या अधिक) राज्य के बारे में लिखें।
  - राज्य और उसके शहरों की प्रसिद्धि के पीछे इतिहास के बारे में लिखें।
  - वहाँ के प्रसिद्ध स्मारक और पर्यटन स्थल लिखें तथा एक जिम्मेदार नागरिक होने के कारण स्मारकों के संरक्षण में अपना योगदान लिखें।
  - कैसे पहुँचे, क्या खरीदें, क्या खाएँ आदि के बारे में लिखें।
- 2) 'अतुल्य भारत' पर लगभग 30–35 शब्दों में अनुच्छेद लिखें।
- 3) मेरी अविस्मरणीय यात्रा पर लगभग 100 शब्दों में अनुच्छेद लिखें।

\*ध्यान रखें – इस परियोजना कार्य के अंक दिए जाएँगे।

## इवाकशरगो

- 1) रेखाचित्र अनुसार तीन श्लोक लिखिए। (फाइल बनाइये)
- 2) चित्रानुसार कहानी आज्ञा हि गुरुणाम् न विचारणीयं कहानी को हिन्दी में लिखिए। (फाइल बनाइये)