THE SAGAR SCHOOL

HOLIDAY HOMEWORK 2019
Class: XII C

This year, your holiday homework is a fun mix of all the aspects of learning. It has been designed to ensure that you enjoy and learn at the same time. Special attention has been taken to ensure that you use your creativity, your innovative ideas and your imagination to shape your holiday homework into fantastic 'creations'. So enjoy your holidays spending quality times with your near and dear ones and devote sometimes to learn new things.

General Instructions:

- Holiday Homework of all subjects to be done in **separate Stick Files** (only).
- The areas to be covered are suggested below. You can of course use your creativity and innovation for new ideas too!
- Credit will be awarded to original photographs/ drawings, illustrations and creative use of materials.
- Holiday Homework needs to be submitted on 10thJuly 2019.
- Holiday Homework needs to be developed and presented in this order:
  - ➤ Cover page showing title, student information, school and academic year and parent's signature.
  - ➤ List of contents with page numbers.
  - ➤ The last page should have Bibliography/ Sources of information from where you have collected your information.

Subject: English

1. Read the chapter **'Indigo'** from the book Flamingo. After reading and analyzing this chapter try to understand the issues of poor farmers of that time and write a detailed Summary of the chapter in about 120-150 words.
In India, still poor farmers are going through so many issues. Choose any one of the Agricultural Issues of India that has provoked a controversy in which lives of poor farmers have been affected: a) find out the facts of the case, b) present your arguments, and c) suggest a possible settlement.

2. Read the chapter **'On the face of it'** from the book Vistas and write a detailed summary of the chapter in about 120-150 words. Attempt character sketch of Mr. Lamb and Derry (words limit: 60-80)

Subject: History

A group project (as per the direction of CBSE) for AISSCE 2020 is to be done. The class has been arranged in one group and tasks are assigned against the name of every student.
Group project topic- "The Globe trotter" (Dynamic world of learning though personal experience of the landscapes)

Name of the student: Task Assigned-
Ashutosh Salam: Manuscript preparation
Vishal Katheria: Preparation of Map depicting routes taken
Sahil Rogha: Model of Ship
Siddhant Mathur: Model of caravan
David Scrap: Book consisting of travel memories to be prepared.

Note: Final assembling of the project will be done after summer break, in the school.

Subject: Political Science

As per the new guidelines of the CBSE, individual project is to be prepared by the students on the given topics-

Name of the student: Topic assigned
Siddhant Mathur: Indo-Pak relations
Helga Khumanthem: World war
Sahil Rogha: Political parties
Divyansh Duggal: Stand of US on Global terror
Vishal Katheria: Emergency
JigmitNamgail: Terrorist activities in India
Karan Mavaskar: USSR
Diviya Mavaskar: Article 370
Swati Palawat: Globalization
Abhinav Yadav: Recent developments in Indian politics
Yamet Phom: Indo-Pak war
David Waikhom: Jurisdiction of UN
Ashutosh Salam: US Hegemony
Tana Leemi: The United Nations
Jerene Jiencha Lowang: International organizations
Shingkham Sangay Bhutia: Hitler and the world war
Stanzin Stobjor: Indo- China war of 1962

The project will be divided in under given segments (Content should be supported by Maps and picture wherever required)
1. Certificate of the guide
2. Acknowledgement
3. Index
4. Synopsis
5. Content (Data Analysis &Map Representation)
6. Conclusion
7. Bibliography

Subject: Geography

Write about the following topics in the Geography Practical Record File.
- Data and its compilation.
- Data processing.
- Graphical representation of data.
- Use of computers in data processing and mapping.
- Spatial Information technology.

Subject: Sociology

As per the new guidelines of the CBSE, individual project is to be prepared by the students on the given topics-

Name of the student: Topic assigned
Siddhant Mathur: Right of Privacy
Helga Khumanthem: Importance of Manipur In N-E States
Divyansh Duggal: Sociological study of caste based politics
Vishal Katheria: Peer group pressure
Jigmit Namgail: Women equality and rights
Karan Mavaskar: Role and Impact of Sanskritization in Indian society
Diviya Mavaskar: Sociological analysis of Triple Talaq

Swati Palawat: Violation against children
Ashutosh Salam: Development in Tourism in Manipur State
Tana Leemi: United Nation project: Love yourself
Jerene Jiencha Lowang: Social and Economic status of Tribal societies of Arunachal Pradesh
Stanzin Stobjor: Social and Economic status of Ladakhi's in J&K

The project will be divided in under given segments (Content should be supported by Maps and picture wherever required)
1. Topic
2. Aims \ Objectives
3. Review of Literature
4. Research Methodology
5. Tools and Techniques
6. Data analysis and Conclusion
7. References
8. Bibliography

Subject: Psychology
CASE STUDY (QUALITATIVE RESEARCH)

Description:
1) Choose a subject for case study
2) Identify the area that you want to prepare your case study on; it could be a disorder, areas where that person is excelling- sports, academics, music, etc., poor body image, obesity, temper tantrums, substance abuse, not getting along with peers, withdrawn, etc.
3) Suggested format for preparing a case profile

i)   Introduction
- A brief introduction of about one or two pages presenting the nature of the problem, its incidence, likely causes, and possible counselling outcomes.
- A half page (brief) summary of the case.

ii)   Identification of data
- Name (may be fictitious)
- Diagnosed problem
- Voluntary or Referral (i.e., by whom referred – such as teacher, parent, sibling, etc.)

iii)   Case History
- A paragraph giving age, gender, school attended, class presently enrolled in, etc.
- Information about socio – economic status (SES) consisting of information about mother's/father's education and occupation, family income, house type, number of members in the family – brothers, sisters and their birth order, adjustment in the family, etc.
- Information about physical health, physical characteristics (e.g. height and weight), any disability/illness (in the past and present). Etc.
- Any professional help taken (past and present), giving a brief history of the problem, attitude towards counselling (indicating the motivation to seek help, etc.)
- Recording signs (i.e., what is observed in terms of facial expressions, mannerisms, etc.) and symptoms (i.e., what the subject reports, for example, fears, worry, tension, sleeplessness, etc.)
- Psychological test that can be done (if any)

iv)   Concluding comments

TOPIC – Boolean Algebra

1. State Demorgan's laws. Verify one of the laws using truth table.

2. State and prove

  a. Law of Duality. Give the dual of (A+BC+(AB)').

  b. Distributive Law

  c. Idempotent Law

  d. Absorption Law

3. Reduce the following Boolean expression:

  a. $H(U,V,W,Z) = \Sigma(0,1,4,5,6,7,11,12,13,14,15)$

  b. $F(A,B,C,D) = \pi(5,6,7,8,9,12,13,14,15)$

4. Verify the following algebraically:

  a. X.Y'.Z+X.Y'.Z'+X'.Y'.Z = X.Y'+Y'

  b. XY+YZ+Y'Z = XY+Z

  c. XY+YZ+YZ'=Y

5. Draw a logic circuit diagram for the following Boolean expressions:

  a. A.(B+C')

  b. X.Y'+Y.Z' (using NAND gates only)

  c. (A+B)(A+B')

  d. X(Y'+Z) (using NOR gate only)

7. A majority gate is a digital circuit whose output is 1 if the majority of inputs are 1's. The output is 0 otherwise. By means of a truth table, find the Boolean function implemented by 3-input majority gates.

8. Simplify using K-map for:

  a. F(w,x,y,z) = M2 + M3 + M4 + M5 + M6 + M7 + M9 + M11 + M13 (M-Maxterm, m-Minterm

  b. $F(a,b,c,d) = \pi(1,2,4,5,7,10,15)$

  c. F(w,x,y,z) = m2 + m3 + m5 + m6 + m7 + m9 + m11 +m13 (M-Maxterm, m-Minterm

  d. $F(a,b,c,d) = \Sigma(0,7,8,9,10)$

  e. y't' + y'z' + yzt' + yz't'

<h2 align="center">Subject: Painting</h2>

Prepare one thematic painting in half imperial sized sheet based on daily life subjects and color it in a balanced color scheme.

<h2 align="center">Subject: Physical Education</h2>

1. Collect brief portfolio of any one male and one female sportsperson of one of the following games- Football/ Basketball/ Cricket (Must be an Indian Sportsperson)
2. Write any ten latest rules of your choice of game (same as above list).
3. Explain any 2-2 Yoga Asana with their benefits, precautions, contraindications to cure 3 lifestyle diseases (Asthma, Obesity and Hypertension).

Note – All the work need to be done only in Practical File (Prescribed for CBSE Board Practical) only. It will be pasted in the practical file. Do all the work neatly. Attach pics also related with the topic.

<h2 align="center">Subject: Economics</h2>

Scope of the project: Student may work upon the following lines:
i) Introduction
ii) Details of the topic
iii) Pros and Cons of the economic event/happening
iv) Major criticism related to the topic (if any)
iv) Students' own views/perception/ opinion and learning from the work
v) Any other valid idea as per the perceived notion of the student who is actually working and presenting the Project-Work.

<h3 align="center">LIST OF TOPICS FOR STUDENTS</h3>

NAME OF STUDENT	TOPIC OF PROJECT
Shingkham Sangay Bhutia	Rural Development

<h2 align="center">Subject: Entrepreneurship</h2>

<h3 align="center">Project 1: Market Survey</h3>

Students have to conduct the survey in any one of the below mentioned topics and follow the guidelines:
  A. Conduct a sample market research with the objective of estimating demand for an existing product in the market. Students have to give an innovative suggestion to the product.
  B. Conduct a survey for a new innovative product.
  C. Conduct a survey for study on
      a) Smoking habits
      b) Skill Trading Options in an economic backward neighbourhood
      c) Wearing Helmets
      d) Attitudes of Road Users
      e) Conservation of Electricity
      f) Rainwater Harvesting

<h3 align="center">Project 2: Business Plan</h3>
<h3 align="center">Page wise guideline for entrepreneurship</h3>

Page 1 Cover Page
Design an attractive cover page and write following things:

Business Plan
Under Guidance of: Submitted by:
(Name of Teacher   (Name of Student)
Logo of School
Name and Address of the School

Page 2 Certificate of Authenticity – Print of the certificate will be provided.

Page 3 Acknowledgement- Print

Page 4 Objectives

Write in one page and give 3 to 5 objectives

Examples of objectives:

1. To understand the Hair Oil Industry
2. To find out possibility of marketing a new brand of Hair Oil
3. To understand my competitors and their products
4. To identify the details about my target market
5. To estimate my start-up cost, risk associated and selling price
6. To prepare my projected statement of Profit & Loss
7. To conduct a Break-even Analysis.

Page 5 Index

S.NO.	Particulars	Page NO.
1	Example: Name of the business, Logo and Tagline	

Page 6 Name of the business, Logo and Tagline

1. Name of your business and reason for choosing it.
2. Define a 'Logo' giving the benefits of having a logo and draw a logo for your business.
3. Define a 'Tagline' giving the benefits of having a tagline and draft a tagline for your business.

Page 7 Competing Products/Services and your USP (Unique Selling Proposition)

1. Are there similar products and services in the market? Give details of at least 3 such competitors.
2. Also, give what you consider to be your competitive advantage and your USP that will beat the competition.

Page 8 Marketing Plan

a. Market Research Plan.
   - Talk about your competitor, demand for your product and service – is it there or do you think you can create it?
   - If there is no competitors (a new product/service), then analyse the demand for the product.
b. Target customers and how will you reach them
   - What do you mean by target market?
   - Define who constitutes a firm's target market.
   - Drive details about your target market with reasons for your choice.
c. Your advertising and promotion idea
   - Define promotion mix and its components.
   - Mention the tools of promotion mix that you would be using with reason. (Ex: Advertising, Sales Promotion etc.,)
d. Packaging
e. Distribution
   - Define channels of distribution – Direct and Indirect
   - Explain the reasons for your choice of Channels of Distribution.
f. What does quality mean for your product/service?
   - Including applicable standardization marks such as Agmark, FPO, ISI etc.,

Page 9 Costing Decision

What is the cost of a unit of your product or unit service?
   - Define 'Costs' and its components: Fixed costs and Variable Costs
   - Show the computation or explain the logic here.
   - Compute the fixed costs like- consultation charges, salary, rent and insurance.
   - Compute the variable costs like- packaging charges, raw materials, power, and wages.

Page 10 Selling Price
   - What is your selling price and the reason for it?
   - Name the pricing strategy adopted by you.

Page 11 Start –up Costs
   - Give the details of your start-up costs here:

Land, Building, Computers, Equipment's, Machinery, Vehicles, Vessels, Software, Hardware, Inauguration Ceremony expenses, Raw materials, Salary, Rent in advance etc.
- How would you meet your start-up costs? (How much will be the owner's fund and how much will be borrowed and at which rate of interest)

Page 12 Risk Analysis
- Define business risk.
- Explain the causes of business risk.
- What are the likely risk factors of your business and how would you meet them?

Page 13 Statement of Profit & Loss

S No.	Particulars	Units	Rupees	Rupees
A	Sales			xxxx
B	Cost of Sales			xxxx
C	Gross Profit = A - B			xxxx
	Fixed Expenses:			
	Salaries		xxxx	
	Rent		xxxx	
	Utilities		xxxx	
	Monthly interest on loan		xxxx	
	Transport		xxxx	
	Miscellaneous		xxxx	
D	Total Fixed Expenses (Cash)			xxxx
E	Depreciation(Non-Cash)			xxxx
F	Total Fixed Expenses (Cash & Non-Cash)			xxxx
G	Operating Profit /Loss = C - F			xxxx
H	Taxes = Use 25% on profit only			xxxx
I	Net Profit/Net Loss = G - H			xxxx

Page 14 Break Even Analysis
- Define Break-even point
- What is the break-even point of your business? Show the computation assuming the selling price and the units that will be sold.

Page 15 Conclusion and Recommendations
The complete findings of the project should be presented here in points in one or two pages.

Page 16 Bibliography
Names of books used and website addresses.

Page 17 Appendix
- Any specific terms used are to be defines here
- Questionnaire to be attached here