English:

1. From newspapers and magazines, collect examples of the following and paste them in a scrapbook:
   
a) One example each of product and service Display Advertisement.

b) At least six different categories of Classified Advertisement.

2. Draft an attractive poster on any TWO of the following topics:
   
a) Water conservation
b) Road Safety
c) Organ/ eye donation
d) Importance of physical activity/exercise
e) Dangers posed by aerated drinks and fast food.

History Holiday Homework
HISTORY PROJECT

Prepare the given History Project as per the CBSE guidelines.

Some suggested topics for project work are:
1. The mysteries behind the mound of dead – Mohenjo-Daro
2. An In-depth study to understand Spiritual Archaeology in the Sub-Continent
3. Buddha’s Path to Enlightenment
4. Insight and Reflection of Bernier’s notions of The Mughal Empire
5. An exploratory study to know the women who created history
6. “Mahatma Gandhi” – A legendary soul
7. To reconstruct the History of Vijaynagara through the Archaeology of Hampi
8. The emerald city of Colonial Era – BOMBAY
9. Vision of unity behind the first war of Independence
10. Divine Apostle of Guru Nanak Dev
11. Help, Humanity and Sacrifices during Partition
12. Glimpses inside Mughals Imperials Household
13. The process behind the framing of the Indian Constitution
14. The ‘Brahm Nirupam’ of Kabir – A journey to Ultimate Reality

Students should prepare the History Project under the following headings:-

1. Acknowledgement
2. Index
3. Cover page
4. Project synopsis  
5. Data/Statistical analysis/Map work  
6. Analysis/explanation and interpretation  
7. Bibliography

**Political Science:**

**A. Political Science Project**- Prepare a project according to CBSE guidelines.
**Topics as discussed in the classroom.**
**Some suggested topics are:**

1. The recent **Lok Sabha Elections 2019** were hotly contested. Many parties were in the fray and the results have been declared. Analyse this election and submit a project report by answering the following:
   a) Analyze the **importance of elections** in a democratic country.  
   b) Name of the **parties contesting** and their alliances along with **their symbols**.  
   c) **Slogans used and highlights of their campaigns**  
   d) The **controversial and contentious issues** that have been a part of the elections.  
   e) **Analysis of result with help of piechart.**

Any of these points (a-e) can be used a separate project while analyzing all Loksabha elections of the country so far.

2. **Partition**- Theory behind it and its legacy  
3. **State Reorganisation**– Do we still require it?  
4. **Election Commission**- its changing role and importance  
5. **One Party Dominance**-Congress to BJP post 2014 (depending upon the election results)  
6. **Change in India’s Foreign Policy**  
7. **India’s relation with its neighbours**- any one country can be studied  
8. **Emergency**- **Reasons and Consequences**- a role play or skit with a group of 5 students  
9. **Popular movements**- Any one movement can be used from chapter 6 and a relation drawn with the any current protest on that issue  
10. **Regional Aspiration** – Separatist Movement- Kashmir  
11. **Role of Regional Parties**- A detailed study of any one  
12. **Naxalite Movement**- How can government address the problem  
13. **Politics of Reservation in India**- Constitution- SC and ST, Mandal- OBC, NDA- EWS  
14. **Coalition Politics**- Study of UPA and NDA  
15. **Cold war**- Is the world heading to Cold war 2- USA and China  
16. **China** – The next Super Power  
17. **Post Soviet Republics**- Life after Disintegration  
18. **EU**- Brexit  
19. **UN and its agencies** – a Mock Event can be presented by the group
20. Environment- Sustainable development- Need of the hour
   Any other topic based on the syllabus.

General Instructions:

1. Project can be individual/ pair/ group of 4-5 each.
2. It should be a handwritten project on a A4 size sheet.
3. Project should be summed up in 10-15 pages.
   (in case of pair and group the no. of pages can exceed to 20-25)
4. It should be well researched based on facts and figures and pictorial.
5. The project must have a Table of contents, Title/ Cover page, Acknowledgement, Bibliography, Analysis with headings and sub-headings.
6. It must include relevant news clippings, facts and figures, pictures.
7. You can plan a survey or an interview to supported your research.
8. As per CBSE suggestive list of activities are Role Play, Presentation, Model, Field Survey, Mock Event etc.

B. Read and revise the chapters taught in the class. Answer the questions sent through the worksheet.

C. Read the newspaper daily especially the editorial

ECONOMICS HOLIDAY HOMEWORK:

- Prepare a project based on CBSE guidelines.
- Suggested topics are-
- Government budget and its components
- Credit creation
- Exchange rate system
- Balance of payment
- Poverty as a challenge
- Rural Development
- Human Capital Formation
- Unemployment in India
- Globalization and its Impact on the Indian Economy
- Environment and Sustainable Economic Development
- Any other relevant topics such as G.S.T, Demonetization , Self Help Groups, HDI etc.
- Students should prepare the Economics Project as per the following headings:-
  - Acknowledgement
  - Index
Psychology:
Class 12th Worksheet (Ch-1 to 4)

1. What is a psychological test?
2. Describe verbal, non-verbal and performance tests.
3. What is contextual intelligence?
5. Distinguish between type and trait approaches to personality. Give suitable example
6. Attributing one’s own traits to others is known as projection. (True/False)
7. Explain the term ‘Social Identity’.
8. State the characteristics of individuals with Type A personality.
9. What is the effect of stress on psychological functioning?
10. Explain the term burnout.
11. Explain General Adaptation Syndrome (GAS).
12. Explain the term anorexia nervosa.
13. Describe the role of biological factors in abnormal behaviour.
14. Explain the term ‘dissociation’. Discuss anyone form of dissociative disorder.
15. Distinguish between obsessive and compulsive behaviour giving examples.

Physical Education:
Worksheet

Planning in sports, Sports and Nutrition, Yoga and Lifestyle, Physical Education and Sports for the Differently-abled

Q1) List the various types of tournaments.

Q2) What do you mean by the term competition?

Q3) Explain the formation of committees and its responsibilities pre, during and post competition or sports events.

Q 4) What is a league tournament? Draw a fixture for seven teams using round robin method.
Q 5) What do you mean by micro and macro elements of diet.

Q 6) List various non-nutritive components of diet.

Q 7) Why is roughage essential to our body?

Q 8) Highlight the disadvantage of food supplements.

Q 9) Mention a few asanas for curing back pain problems and elaborate the procedures for any one of them.

Q 10) Elaborate the procedure for performance and benefits of parvat asana.

Q 11) Name the asanas which can be done after having meals. Explain the steps used to perform it. List its advantages.

Q 12) List different types of disability.

**Applied Art:**

Q 1. Describe how Rajasthani School of Miniature Paintings created a long lasting impact on Indian Art. Explain in detail with reference to the paintings in your course of study.

Q 2. Describe how Pahari School of Miniature Paintings created a long lasting impact on Indian Art. Explain in detail with reference to the paintings in your course of the study.

Q 3. Describe how Mughal School of Miniature Paintings created a long lasting impact on Indian Art. Explain in detail with reference to the paintings in your course of the study.

Q 4. Describe how Deccan School of Miniature Paintings created a long lasting impact on Indian Art. Explain in detail with reference to the paintings in your course of the study.

Q 5. Appreciate the following artwork also write about the working style and medium chosen by the artist.

   a. BaniThani.
   b. Dancers
   c. Falcon on bird rest
   d. Ragini Pat-hamsika
Mathematics:

Q.1. Write the principal value of \( \tan^{-1}(\sqrt{3}) - \cot^{-1}(-\sqrt{3}) \).

Q.2. If \( A \) is a \( 3 \times 3 \) invertible matrix, then what will be the value of \( k \) if 
\[ |A^{-1}| = (|A|)^{k+2}. \]

Q.3. If \( A \) is the square matrix such that \( A^2 = I \), then find the simplified value of
\[ (A - I)^3 + (A + I)^3 - 6A \]

Q.4. Show that all diagonal elements of a skew symmetric matrix are zero.

Q.5. Let \( A = \{1,2,3,4,\ldots,9\} \) and \( R \) be the relation in \( A \) defined by
\[ R = \{(a, b): |a - b| \text{ is divisible by 2}\}. \]Show that \( R \) is an equivalence relation. Write equivalence class of 1.

Q.6. Solve the following equation for \( x \):
\[ \sin^{-1}(1-x) - 2\sin^{-1}x = \frac{\pi}{2} \]

Q.7. Show that: 
\[ \tan \left(\frac{1}{2} \sin^{-1} \frac{3}{4}\right) = \frac{4-\sqrt{7}}{3}. \]

Q.8. Let \( f : N \rightarrow N \) be a function defined as \( f(x) = 9x^2 + 6x - 5 \). Show that \( f : N \rightarrow S \), where \( S \) is the range of \( f \), is invertible. Hence find the inverse of \( f \).

Q.9. Using properties of determinants, prove that
\[ \begin{vmatrix} b + c & a & a \\ b & c + a & b \\ c & c & a + b \end{vmatrix} = 4abc \]

Q.10. If \( f(x) = \begin{vmatrix} a & -1 & 0 \\ ax & a & -1 \\ ax^2 & ax & a \end{vmatrix} \), using properties of determinants find the value of \( f(2x) - f(x) \).

Q.11. Using elementary row transformations, find inverse of 
\[ \begin{bmatrix} 1 & 1 & 1 \\ 1 & 0 & 2 \\ 3 & 1 & 1 \end{bmatrix} \]

Q.12. The cost of 4kg onion, 3kg wheat and 2kg rice is ₹60. The cost of 2kg onion, 4kg wheat
and 6kg rice is ₹ 90. The cost of 6kg onion, 2kg wheat and 3kg rice is ₹ 70. Find cost for each item per kg by matrix method. A shopkeeper wants to purchase carry bag. Which carry bag you will suggest to buy and why?