HOLIDAY HOMEWORK
SESSION 2014-2015
CLASS – IX

Congratulations! New session, new friends and new books have already taken their place in this new academic session........ And now it's time for a long vacation!!!!!!! Summer vacation beckons you to freak out, have fun, fast food and of course savor a large dollop of lazy time. However all play and no work can make you lag behind. So the answer is to plan a balanced vacation in a sensible manner with a little of everything lest you get carried away and the books and mind gather dust. We know you are disciplined enough to effectively juggle your time between the idiot box, Apps mania, and social networking..... Have a wonderful time and cherish the memories of being with friends and family!!!!

Some pointers for students to follow:

✓ Plan your vacations that you promptly attend school on the first day.
✓ Manage your time and dispense the work for quick completion.
✓ Do not hustle yourself at the last minute.
✓ Be independent and honest in doing your work.
✓ Pick up a new activity for leisure time.

HOLIDAY HOME-WORK SUBMISSION SCHEDULE:

<table>
<thead>
<tr>
<th>Date of submission</th>
<th>Subjects</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st July</td>
<td>Social Science, Hindi</td>
</tr>
<tr>
<td>2nd July</td>
<td>Science, English</td>
</tr>
<tr>
<td>3rd July</td>
<td>Mathematics, Sanskrit/French</td>
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ENGLISH

1. **RESEARCH & POSTER DESIGNING (Roll No. 1-10)**

Choose and research any One aspect of how humans are leaving carbon footprints and how to modify our lifestyle. Make a brief written research project on A4 sheets, by collecting relevant articles from magazines or any print media on any one of the following topics:

a. Solar Mission
b. Energy Efficiency
c. Sustainable habitat
d. Water mission
e. Sustaining Himalayas
f. Green India
g. Sustainable Agriculture

Also design a **Poster on A3 sheets** to create awareness on the chosen topic for research.

2. **COMMENTARY WRITING (Roll No. 11-20)**

Your school is playing a Football/Hockey/Basketball/Cricket match with the neighboring school. You are the official commentator for the match. Prepare a running commentary on the last few breathtaking minutes of the match. **Write the commentary, as well as learn it to present in the class.** (Your commentary should not be more than three minutes).

3. **FILM /BOOK / EPISODE REVIEW (Roll No. 21-30)**

Write a review of a Harry Potter Film/book or an episode of Man verses wild on Discovery Channel that you have seen. You must include:

a. the name of the film/book/episode
b. the cast/director/writer
c. the important characters
d. a very brief outline of the film/book/episode
e. why the film/book/episode was worth seeing or reading/ not worth seeing or reading.

4. **LYRICAL MELODY (Roll No. 31-40)**

Compose a humorous poem of about **twenty lines**. Give it an interesting title. Use any rhyme scheme or figure of speech. You may choose any **two** of the following topics:

- Fashion
- Cricket Fever
- Childhood memories
- An Unforgettable Experience
- Life of a teenager
- Your School

(Write on A4 sheet and add illustrations to highlight your poem)

5. **COMPULSORY FOR ALL STUDENTS**

Read the novel Gulliver’s Travels thoroughly and then based on the novel attempt the following:

a. Design an innovative book cover (front and Back) for the novel.
b. Write the theme of the ‘Gulliver’s Travels’
c. Write the character sketches of:
   - The Emperor of Lilliput
   - Lemuel Gulliver
   - The king of Brobdingnag
MATHEMATICS

Math holiday home work is assigned to the students according to the roll number mentioned in the table shown below. Your work should be presentable and innovative. Use environment friendly materials to make your project/model.

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Roll No.</th>
<th>Project/Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>1-10</td>
<td>Model</td>
</tr>
<tr>
<td>2.</td>
<td>11-20</td>
<td>Model</td>
</tr>
<tr>
<td>3.</td>
<td>21-30</td>
<td>Project</td>
</tr>
<tr>
<td>4.</td>
<td>31-40</td>
<td>Model</td>
</tr>
</tbody>
</table>

1) Make a model of an aeroplane using different mathematical shapes and find the area and perimeter of different shapes used in it. Present this information in a separate file mentioning all the formulae involved.

2) Make a model to represent some irrational numbers on the number line. Present this information on a scrap file.
3) Make a project to show congruent figures from your day to day life. Also mention all the criteria’s to make two triangles congruent. Explain it with the help of some application.

4) Make a model to represent \((a + b + c)^2\). Present its information on a scrap file.

**SCIENCE**

Science holiday homework is consisting of first two topics of Physics, next two of Chemistry and last two of Biology. Each student is assigned one of these topics according to the roll number. Other necessary details regarding the assignments will be discussed by the respective teachers.

1) Prepare a project file with an attractive cover page on the following fundamental physical quantities- 
   (Roll No. 1-6)
   a) Displacement
   b) Average velocity
   c) Average speed
   d) Acceleration
   e) Retardation
   f) Circular motion

   Assume at least two situations from your day to day life to explain these physical quantities.

2) Make a project report on the following topics- 
   (Roll No. 7-12)
   a) Hearing aid- Its basic construction, principle and how it is beneficial to people having hearing disorder.
   b) Ultrasonography- Basic principle behind this technique and its uses. Visit any Diagnostic Centre near your home for details.

3) Pioneers of science- A story through stamps 
   (Roll No. 13-18)
   Collect information about any five Indian scientists. Make stamps using their pictures, paste on A-4 sheet and below it write down the information about them as shown below
4) Are you aware that oceans are the primary driving force of the Earth’s water cycle? They supply about 20% of the total oxygen and mitigate about 20-30% of carbon dioxide. Oceans play an important role in controlling climate. 8th June is celebrated as World Ocean Day, on this day let’s honour the oceans to ensure our survival.

Design a pamphlet to make people aware how we can help the oceans. Also, prepare MCQ of 20 questions on the above mentioned topic. (Roll No. 19-24)

5) Make a project report on the topic- “Use of hand sanitizers. Is it actually good?” (Roll No. 25-30)

Hints:
- Brands available in market (Paste pictures cuttings from newspapers and magazines)
- Chemical composition
- Health impacts
- More popular among which age groups or classes of society?

6) Make a collage on a chart paper about the life history and important contributions on any one of the following scientists: (Roll No. 31-36)
   a) Robert Hook
   b) Charles Darwin
   c) Robert Whittaker
   d) M. S. Swaminathan

SOCIAL SCIENCE

1. **ACTIVITY NAME :** Pictorial Glossary Making (lesson ;3 Drainage) Geography (IX A,B,C Roll No. 1-9)

   **GUIDELINES :** Students will give terminology of all terms used in reference to drainage given in lesson along with its picture like Water divide, trellis pattern, ox bow lake etc.

   They will compile it on A4 size sheets in a form of picture dictionary.

   **SOURCES :** Use websites like wikepedia.com, NCERT text book.

2. **ACTIVITY NAME :** Chart making (lesson ;3 Drainage) Geography (IX A,B,C Roll No. 10-18)

   **GUIDELINES :** 1. Students will draw different patterns formed by drainage system on A3 size sheets and give brief description of each.

   2. They can also paste enlarged pictures of the patterns and describe them.

   **SOURCES :** Use websites like wikepedia.com, NCERT text book
3. **ACTIVITY NAME**: Make a Tabulation (Disaster Management Lesson 1 & 2) (IX All Sections Roll Nos. 1-20 Compulsory activity)

**GUIDELINES:**
1. Students will make a tabulation of any two hazards with their structural and non-structural mitigation strategies. Also write the states of India affected majorly by them. Paste pictures of the disaster to make it attractive.

2. Draw this tabulation on A3 size sheets. Ex.:

<table>
<thead>
<tr>
<th>Name of Hazard</th>
<th>Structural mitigation</th>
<th>Non-Strutural mitigation</th>
<th>Regions affected by it</th>
</tr>
</thead>
</table>

3. Choose any two disasters flood, landslide, tsunami, earthquake.

**SOURCES:** Wikipedia.com, CBSE disaster management book.

4. **ACTIVITY NAME**: File Project (Disaster Management Lesson 1 & 2) (IX All Sections Roll Nos. 21 onwards Compulsory activity)

**GUIDELINES:**
1. Make a file project on any one disaster. Flood, tsunami, earthquake, landslides.

2. The project should have Information about any one of the given disasters:
   - What is disaster? Where in India it occurs? What are its mitigation and non mitigation strategies?
   - What types of injuries are caused? Their first aid tips. Pictures of the latest disaster occurrence.

**SOURCES:** Wikipedia.com, CBSE disaster management book.

5. **ACTIVITY NAME**: Newspaper Article (History lesson-3 Nazism-the rise of Hitler) (IX A,B,C Roll Nos. 19-27, IX D,E,F roll nos. 1-9)

**GUIDELINES:**
1. Construct a newspaper article along with pictures on achievements of Hitler as a revolutionary and as a Dictator.

2. For example he won awards from first world war I like Iron Cross, first class -4august 1918 etc.

**SOURCES:** Wikipedia.com


**GUIDELINES:**
1. Most newspapers have an editorial page. On that page the newspaper publishes its own opinions about current affairs. The paper also publishes the views of other writers and intellectuals and letters written by the readers. Follow any one
newspaper for 15 days and collect editorials, articles and letters and classify them into following categories:

Constitutional and legal aspects of democracy

Citizen’s rights, electoral and party politics, criticism of democracy.

2. Paste articles on A4 size sheets according to their classification.

SOURCES: Any News paper

7. **ACTIVITY NAME : Assignment (lesson 3 Constitutional design Political science) (IX D,E,F Roll nos. 10-18)**

   **GUIDELINES :** Read newspaper daily and search for any report on a discussion on any constitutional amendment or demand for any constitutional amendment. For example focus on the demand for constitutional amendment for reservation for women in legislature. Critically examine: Was there a public debate? What reasons were put forward in favour of the amendment? How did different political parties react to the constitutional amendment? Did the amendment take place? Another example can be creation of new state Tilangana.

   **SOURCES:** wikipediacom, magazine times of India and newspaper.

8. **ECONOMICS:** Visit a nearby village, write a brief report on the economic, social, technological environment prevailing there. (IX D,E,F Roll nos. 19-27)

9. **ECONOMICS:** survey few nonfarm activities around you and collect information about their progress, infrastructure and future growth. (IX D,E,F Roll nos. 28 onwards).

**FRENCH**

Lisez trios bandes desinées françaises et donnez vos commentaires sur chaque. Vous pouvez lire n’importe quelle bandes dessinée de votre choix, par example: **TINTIN OU ASTRIX** etc.

Faites une fiche pittoresque de votre projet sur un papier de taille A4.

**SANSKRIT**
निम्नलिखित कार्य सभी छात्रों के लिए अनिवार्य है।

9. 'आधुनिकयुग संस्कृतभाषा विलुप्ता जाता' - इस कथन पर प्रकाश डालते हुए अपने विचार प्रकट करें। व्यवसायिक क्षेत्र के किन-किन विभागों में संस्कृतभाषा का प्रयोग आज भी हो रहा है एवं संस्कृतभाषा में अध्ययन करने वाले छात्र भविष्य में इस भाषा से कैसे लाभान्वित हो सकते हैं? इस विषय पर जानकारी एकत्रित कर परियोजना पुस्तिका बनाएं।

2. 'पाठयम्' नामक पाठ के किन्ही दो श्लोकों के अन्य चित्र सहित लिखकर कक्षा में प्रस्तुत करें।

3. प्रथम सत्र के सभी शब्द रूप एवं धातु रूप को कण्डस्थ करें।
निर्देश - प्रत्येक के लिए अनिवार्य कार्य-

1. (क) जीवन का आधार विश्वास
(ख) अपने लिए लिए तो क्या लिए
(ग) पद बढ़ा या व्यक्ति
(घ) पत्रों का स्थान लेता ई-मेल विषय पर विद्यालयी पत्रिका के लिए ए 4साइज शीट पर लेख लिखें।

2. चार्ली चैपलिन, मिस्टर बीन जैसे किन्हीं दो विश्व प्रसिद्ध हास्य कलाकारों के विषय में जानकारी एकत्र कर प्रेजेंटेशन तैयार करें।

(अनुक्रमांक 9-18)

3. हस्तकला से निर्मित वस्तुएं सभी को आकर्षित करती है परंतु इस मशीनी युग हस्तकलाओं का लोप हो रहा है। हमारे लिए यह गर्व की बात है कि भारत के प्रत्येक राज्य में आज भी यह कला जीवित है अतः अपनी पसंदीदा किसी भी एक हस्तकला के विषय जानकारी एकत्रित कर स्क्रीप बुक में परियोजना कार्य करें।
उदाहरण- जूट एवं रस्ती से निर्मित वस्तुएं, काष्ठ (लकड़ी) से निर्मित वस्तुएं, मधुबनी, कलात्मक पेंटिंग, ब्लाक प्रिंटिंग आदि।

(अनुक्रमांक 9-16)

4. निम्नलिखित विषयों में से किसी एक पर नुककड़ नाटक लिखिए

• गाँव और शहर, बदलते संस्कार, चुनावी सरगर्मियाँ।

(अनुक्रमांक 15-24)

5. निम्नलिखित विषयों में से किसी दो पर विज्ञापन बनाएं।

• हरा-भरा प्रदेश, बालिका सुरक्षा, जल है अमूल्य, फुटबॉल सेंकर।

(अनुक्रमांक 25-32)

6. निम्नलिखित विषयों में से किसी एक पर रोचक कहानी लिखिए।

• परिश्रम, परोपकार, सच्च-सुख, देशप्रेम।

(अनुक्रमांक 33-40)