BAL BHARATI PUBLIC SCHOOL
HOLIDAY HOMEWORK
CLASS IX

SCIENCE

PHYSICS

1. Prepare a project based on the graphical representation of motion (Format-Science journal spiral bound A4 coloured sheets) on the following guidelines:
   a) Motion – Define giving examples.
   b) Types of motion (paste pictures to show the concept).
   c) Graphical representation (distance-time, velocity-time graphs)
   d) Derivations of equations of motion graphically.
   e) Pictorial representation of uniform circular motion.
2. Do the given assignments.
4. Revise the work done in the class.

CHEMISTRY

1. Prepare a collage on topic- Chemistry in kitchen (related to states of matter).
2. Do the given assignment.
3. Revise the chapter done in class.

BIOLOGY

1. Prepare a collage on topic – Cell- the basic unit of life.
2. Do the assignment and revise the syllabus done in the subject.
SOCIAL STUDIES

HISTORY

1. French revolution saw the rise of newspapers, describing the events of each day/week, collect information and pictures on any one event and write one article in an A4 size paper.

EVENTS:

i) French society during late 18th century.
ii) Louis the XIV, his life and his work.
iii) Palace of Versailles.
iv) Estate Generals and National Assembly of 1791.
v) Declaration of rights of man and citizen.
vi) Political symbols used during French Revolution.
vii) Jacobin club and sans-culottes.
viii) Women’s contribution in French Revolution.
ix) Slavery and its abolition.
x) Napoleon Bonaparte - his life, his achievements, his contributions.

2. Interdisciplinary project (English, SSt, Economics)

Prepare a colourful scrapbook on cyclones of India on following parameters:

a) Causes and effects
b) Cyclone prone areas in India
c) Preparing for cyclones
d) Roles of National Disaster Management Agency (NDMA)
e) Adverse effects of cyclones on economy of the region
f) How to cope-up with it (suggest various strategies in your own words 100-150).
MATHEMATICS

HOLIDAYS HOME WORK CLASS -9

1) Ex - 2.1 (page no. 2.12)  2) MCQs (page no. 2.14) (R. D. Sharma)

3) All solved rationalisation problems (page no. 3.3 - 3.13)  4) Ex 3.2 (page no. 3.14) (R. D. Sharma)

4) Algebraic identities and factorisation, chapter 4 & chapter 5 from R. D. Sharma including all solved & unsolved exercises.

5) Ex 12.1 & 12.2 from R. D. Sharma.

6) Both sample papers at the end of first part of first part page no. SA - 1.2 - SA - 1.10 only those questions which have been covered in FA 1.

7) Prepare a PPT on contribution of Heron to the field of Mathematics.

8) Log on to cbseguide.com, khan academy, mathbuster.com to explore the HOTS problems relating exponents & powers, rationalisation, algebraic identities and Heron's formula.
ENGLISH

1. Compose a poem on "NATURE".
2. Interview at least ten old ladies (grand mothers) in your neighbouring area.
   Ask them:
   i) Whether they want to learn how to read and write or not.
   ii) Their views about education.
   iii) What type of education they want their grand children should receive.
   iv) How can they help their children to get educated.
   v) What moral qualities should be developed in their grandchildren?
   vi) What would they like to do in free time?

Then write your plan to educating these old ladies during summer vacation, course of action and result.

HINDI

1. चर्चा करें आपकी महिलाओं से लघुकी लेकिन निश्चित आनकाली
   प्राप्त करे तथा पाने चाहिए उन्नत प्राप्ति करें।
   फिर साधना नै हैलिया
   खाना चोदा कौशर
   खाना विकरा बोली

2. उपयुक्त जुग के साथ उपस्थित करवाओ का जीवन परिचय
   लिखें।
   अखाड़े प्रसाद
   खाना सजकू लिया मिलता
   खाना सुगंधा मेरा पन्ना
   खाना माहिद्राली करना

3. आपका फुल कबीर, पुस्तक नोटिस, नामदेव कर्म गीताकार
   की रचनाओं का संकलन करे।

4. अपनी पाठ्य पुस्तक में से किसी रूप स्वर्ण की
   समीक्षा लिखें।