

BANASTHALI PUBLIC SCHOOL
SUMMER HOLIDAY HOMEWORK, SESSION 2022-23

Circular No. BPS/22-23/31.9

CLASS - IX

Dated:26-05-2022

HIKE MOUNTAINS, RUN THROUGH MEADOWS
EXPLORE FORESTS, SWIM IN THE SEA
CLIMB TREES, BREATHE THE WILD AIR
GAZE AT THE STARS, IT IS SUMMER TIME!



Dear Student,

Holidays are the time to unwind and feed your creativity and imagination. It is a great opportunity to relax as well as fruitfully occupy yourself and keep your energies well directed. Now is the time to experience adventurous sports, indulge yourself in various recreational activities, visit your family and friends and rejuvenate yourself.

But it is equally important to temper your relaxed moments with constructive and creative work which your teachers have carefully planned for you through some thought – provoking holiday homework. You may complete them at your ease, but ensure that they are completed timely.

GENERAL INSTRUCTIONS:

1. Complete the work (C.W./H.W.) of all the subjects taught in the class, in the respective notebook and in Neat and Clean Handwriting, if still pending.
2. Holiday Homework will be part of Internal Assessment, so complete the entire work in beautiful and correct manner.
3. After summer vacation, students will be required to submit the Summer Holiday Homework Notebook/Scrapbook/Project file/Lab Manuals (which ever applicable) in the school for Internal Assessment.
4. Parents kindly make sure your ward completes all the work assigned. Work to be done on regular basis.
5. Revise UnitTest-1 syllabus.

HAPPY HOLIDAYS
STAY SAFE, STAY HEALTHY!!

Subject Names	Details
English	<p>Neatness and presentation are common parameters for the homework assigned. Kindly complete your homework with utmost dedication.</p> <ol style="list-style-type: none"> Attempt Assignments (5-10) in Together with Pull-out worksheets. Awareness about strengthening the bond and relations under ‘Ek Bharat Shreshtha Bharat Campaign’. Collect information on the lifestyle, folk songs and dances and highlight the oneness which every Indian acquires as a citizen. Note down the same in the form of an essay or poetry based on the Poem ‘No Men are Foreign.’ in a creative manner in project file. Read Chapters (1-5) from the textbook Beehive and underline the difficult words in your textbook. Find out the meanings of the same referring to a Dictionary and write the meaning of the same with pencil in Textbook. Watch English News daily in order to equip yourself with the information and facts to be used in as content in writing skills. You are Vaibhav/Vaibhavi, you are asked to write an article for the school magazine on “Climate Change”. Use your ideas and hints given below: Human Activities- burning fossils fuels- releases carbon dioxide, rise in earth’s temperature, causes Sea level change – adversely affects precipitation – Seasons – flora and fauna.
Social Science	<ol style="list-style-type: none"> Prepare a project in the project file on any one natural disaster and one human induced disaster. The project should include the following: <ol style="list-style-type: none"> Minimum 15 pages Clear, related and coloured pictures Problems faced by victims Helping guidelines post disaster Write a Nukkad Natak script in (100-150words) on “Importance of Fundamental Rights” in Project Notebook. On an outline map of India, show its neighbouring countries and explain how did India’s contact with the rest of the world contribute in the exchange of ideas and commodities? (To be done in the Project Note Book) Prepare Ch. 1 (History), Ch. 1(Geography),Ch. 1 (Civics) and Ch. 1 (Economics) for Unit Test-I
Hindi	<ol style="list-style-type: none"> क्षितिज पाठ-1, 2, 9, 10 एवं कृतिका पाठ-2 पढ़कर प्र०/उ० याद करें एवं लिखें। ग्रीष्मावकाश में की गई किसी यात्रा का सचित्र वर्णन करें। भक्तिकाल को कितने भागों में बाँटा गया है। प्रत्येक शाखा के दो-दो कवियों का जीवन परिचय एवं रचनाओं के नाम भी लिखें। “प्रदूषण” इस विषय पर अनुच्छेद लिखकर उसमें से बीस उपसर्ग-प्रत्यय छाँटकर लिखें। अपने क्षेत्र की समस्याओं और असुविधाओं की ओर ध्यान आकर्षित करके हुए अपने क्षेत्र के संसद सदस्य को उन्हें दूर करने के बारे में अनुरोध करते हुए पत्र लिखें। मानसी और गरिमा के बीच लड़का-लड़की के भेदभाव को लेकर बातचीत हुई। उनकी इस बातचीत को संवाद के रूप में लिखिए। ‘प्रगति की ओर बढ़ते भारत के कदम’ एवं ‘इंटरनेट-सुविधा या असुविधा’- विषयों पर निबंध लिखिए। छात्रावास में रहने वाले अपने छोटे भाई को नियमित व्यायाम का महत्त्व बताते हुए पत्र लिखिए। तत्पुरुष समास, कर्मधारय समास एवं द्विगु समास के दस-दस शब्द लिखकर समास विग्रह करें। स्कूल मैगजीन के लिए एक स्वरचित कविता एवं किसी रुचिकर विषय पर अनुच्छेद रूप में अपने विचार प्रकट करें। इकाई परीक्षा-1 का सम्पूर्ण पाठ्यक्रम याद करें। नोट- सम्पूर्ण कार्य ग्रीष्मावकाश गृहकार्य कॉपी में करें।

Answer the following questions:

1. How do substances like CO₂ and water move in and out of the cell? Discuss
2. Write any 3 differences between Distance and Displacement with example.
3. Give one example where the Displacement is zero but the Distance Travelled is not zero.
4. Who discovered the cell?
5. Write the difference between RER and SER.
6. The minute hand of a wall clock is 10cm long. Find its displacement and the distance covered from 10 a.m. to 10:30 a.m.
7. Under which condition the magnitude of displacement is equal to distance travelled by the object.
8. Which speed is greater: 54km/h or 6 m/s.
9. Why Plasma membrane is called a selectively permeable membrane?
10. Describe the Nucleus with the help of well labelled diagram.
11. Convert the following Celsius temperature to Kelvin temperature
 a. 25°C b. -15°C c. 0°C d. 3°C
12. Give reasons:-
 a. Why should we wear cotton clothes during summer?
 b. Why does the aroma of coffee spread very fast?
 c. Water at room temperature is a liquid.
13. Draw well labelled diagram of the following in Biology Notebook.
 a. Prokaryotic cell b. Compound microscope c. Mitosis d. Meiosis

Activities

- a. Do the **Activity 5.4** and write the observation, conclusion and result on A4 size sheet, also draw the related diagram. **(Page number 60 NCERT)**
- b. Make a **colourful** and labelled project/Models as per class, section, roll number and Topic given below in your **scrapbook/scrap file/draw-sheets**.
 i) **Class IX, section A and B** → Roll number 1 to 11 → Plant cell and organelles. / Working model on Theory of Gravity
 ii) **Class IX, section A and B** → Roll number 12 to 22 → Drip irrigation (working model) / Working model of wooden Generator
 iii) **Class IX, section A and B** → Roll number 23 to 33 → Different shapes of cell / Working model of Hydroponic Garden
 iv) **Class IX, section A and B** → Roll number 34 to 44 → Flow chart of Chapter 1 (Matter in our surroundings) and Chapter 8 (Motion)

LAB WORK

PHYSICS

Experiment 1: To Determine the density of solid (denser than water) by using a spring balance and a measuring cylinder.

CHEMISTRY

Experiment 1: To prepare:

- a. A true solution of common salt, sugar and alum
- b. A suspension of soil, chalk powder and fine sand in water
- c. A colloidal solution of starch in water and egg albumin/milk in water and Distinction.
 i) Transparency ii) Filtration criterion iii) Stability

BIOLOGY

To Prepare stained temporary mounts of (a) onion peel, (b) human cheek cells and to record observations and draw their labelled diagrams.

NOTE:- Learn Ch. 1, 5 and 8 for Unit Test-I.

Art & Craft

1. Make a painting in modern art by using poster colours on A/3 size sheet.
2. Make a golden 3D hand by using Cement.
3. Make a jewellery set by using Newspaper.

Music

Learn the following Prayer songs from your School diary: 1. हमको मन की शक्ति देना
 2. National Song 3. National Anthem. 4. 'Banasthali Song'.

Subject Names	Details
Mathematics	<p>1. Activity: What to do – Draw a creative designer object. Please follow the following steps –</p> <ol style="list-style-type: none"> Take a graph paper and draw two perpendicular lines to obtain four quadrants. Draw any one design / object/ creature of your choice using straight lines only to cover all the four quadrants. Write coordinates of each point of intersections of line segments. Colour art work obtained Paste on A4 size sheet. <p>2. Solve all the following questions given in M. L. Aggarwal Mathematics book in the Assignment notebook.</p> <p>Chapter 1 Exercise 1.4 : Q9 (v), (vi), Q14, Q18 (i), (ii).</p> <p>Chapter 2 Exercise 2.1 : Q1 (i),(iv), (v), (vi), Q2 Exercise 2.2 : Q4 (iv), (vi)</p> <p>Chapter 3 Exercise 3.2 : Q6, Q7, Q8</p> <p>3. Investigate various historical aspects of the number (pie) and present it with various colourful pictures on A4 sheet.</p> <ul style="list-style-type: none"> All A4 sheets are to be submitted in one folder. <p>4. Make a model on the following topics according to your Roll No.</p> <ol style="list-style-type: none"> Number System (Roll No. 1 to 11) Polynomials (Roll No. 12 to 22) Congruency of Triangles (Roll No. 23 to 33) Pythagoras Theorem (Roll No. 34 to 44)
Sanskrit	<ol style="list-style-type: none"> 5 चित्रलेखन , 5 पत्रलेखन कीजिए । (उत्तरपुस्तिका में) कोई 3 नीति श्लोक अर्थसहित कलात्मक तरीके से A-3 size Sheet पर लिखिए । मम परिचय : संस्कृतभाषा में प्रोजेक्ट फाइल में लिखिए । स्वर संधि एवं उसके भेद पर परियोजना कार्य कीजिए । (प्रोजेक्ट फाइल में) इकाई परीक्षा-1 संस्कृत पाठ्यक्रम याद कीजिए । स्कूल पत्रिका के लिए कोई एक स्वरचित कविता लिखिए । 1-50 तक सख्या संस्कृत में लिखिए । "उपमा कालिदासस्य " विषय पर संस्कृत भाषा में सचित्र अनुच्छेद प्रोजेक्ट फाइल में लिखिए ।
General Computer	<ol style="list-style-type: none"> Read Ch.-2,3 carefully and also write 10 new words from each chapter in computer notebook. Make a project on Input- Output, storage and network devices and Cyber Safety, Crime and Virus in Project file. To enhance the typing practice, type two pages of "The quick brown fox jumps over the lazy dog" in Microsoft Word and follow the given instructions. Take the printout and paste it in computer notebook. Instructions: Font name: Times New roman, Font size: 12, Line spacing: 1.0 and Use all ten fingers.

BANASTHALI PUBLIC SCHOOL

G-Block, Vikas Puri, New Delhi-110018

SESSION: 2022-23

CLASS: IX

DATE: 26.05.2022

SYLLABUS FOR UNIT TEST – 1

ENGLISH	<u>ENGLISH READER</u> <u>BEEHIVE:</u> Ch. 1: The Fun They Had Ch. 2: The Sound of Music P-1: The Road Not Taken <u>MOMENTS:</u> Ch. 1: The Lost Child <u>GRAMMAR AND COMPOSITION:</u> 1. Rearranging Words 2. Gap Filling <u>WRITING SKILLS:</u> 1. Descriptive Paragraph 2. Story Writing
MATHEMATICS	Ch. 1: Number system Ch. 3: Coordinate geometry Ch. 4: Linear equation in two variables Ch. 2: Polynomials (Ex.2.1, 2.2)
SCIENCE	Ch. 1: Matter in Our Surroundings Ch. 5: The Fundamental Unit of Life Ch. 8: Motion
SOCIAL SCIENCE	<u>HISTORY:</u> Ch. 1: The French Revolution <u>GEOGRAPHY:</u> Ch. 1: India: Size and Location <u>CIVICS:</u> Ch. 1: What is Democracy? Why Democracy? <u>ECONOMICS:</u> Ch. 1: The Story of Village Palmpur
HINDI	<u>पाठ्यपुस्तक:</u> <u>क्षितिज:</u> पाठ-1: दो बैलों की कथा, पाठ-9: साखियाँ एवं सबद <u>कृतिका:</u> पाठ-2: मेरे संग की औरतें <u>व्याकरण:</u> उपसर्ग, प्रत्यय, समास <u>लेखन:</u> अपठित गद्यांश , पत्र, संवाद
SANSKRIT	पाठ-1: भारती वसन्त गीति: पाठ-2: स्वर्ण काक : <u>व्याकरण:</u> संधि दीर्घ , गुण , अपठित गद्यांश , चित्र लेखन , अनुवाद , अकारांत शब्द रूप , धातु रूप (पठ्,गम्) (पाँचो लकार)