

BANASTHALI PUBLIC SCHOOL
SUMMER HOLIDAY HOMEWORK, SESSION 2024-25

Circular No. BPS/24-25/13(IX)

Date: 24.05.2024

CLASS – IX

The summer days are back again!!
And its vacation time again!
There's sun and shade
And water to wade
Time for some fun and frolic
With ice creams to lick
Activities to indulge in
Places to explore
Yes!! It's vacation time again!!!



Dear Parents

We believe children are natural learners and have an innate curiosity. They take pleasure in discovery. Hence, we have made an endeavour to induce and enhance thinking skills in them by making them be actively doing things for themselves. Through a lot of physical activity, movement, exploring and first-hand learning by doing things on their own, we facilitate that their learning goes into their long-term memory. We are sure you are there with us in this endeavour of ours.

SUMMER VACATION of the Session 2024-25, for the students of **CLASS IX** will commence from **27th May 2024 (Monday) to 30th June 2024 (Sunday)**. The classes will resume from **01st July 2024 (Monday)** onwards. However, the **school office** will remain open from **8:30 a.m. to 12:30 p.m.** on all working days during summer vacation.

Dear Student

Summer vacation is that time of the year when we have the time of our life. We relax, spend time with our family and friends and visit places galore. It's also the time to explore our talents, learn new skills and engage in different activities.

Some suggestions to make the summer break time more special and exciting for you.

1. Learn a new sport or skill and engage in physical activities.
2. Learn dignity of labour by doing things yourself.
3. Plant a sapling and take care of it.
4. Spend quality time with your family members.

GENERAL INSTRUCTIONS:

1. Complete the C.W./H.W. of all the subjects, in the respective subject notebooks in neat and clean Handwriting, if still pending.
2. Holiday Homework will be a part of Internal Assessment. It must be done properly according to the instructions given by the teachers. Beautiful and systematic work will carry extra marks.
3. After summer vacation, the Summer Holiday Homework Notebook/Scrapbook/Project File/Lab Manuals (which-ever applicable) must be submitted in the School for Internal Assessment.
4. Parents kindly make sure your wards complete all the work assigned. Work to be done on regular basis.
5. Do project work of all subjects in respective Notebook provided in the Book set.

Wishing every child, constructive holidays!

Subject Names	Details
English	<p style="text-align: center;">EMBRACE THE SUMMER ADVENTURE!</p> <p>Dear Adventurous Students, Welcome to the most thrilling summer holiday homework adventure yet! Get ready to embark on a journey of discovery, creativity, and fun. We've prepared an array of tasks that will not only enhance your English skills but also ignite your imagination and passion for learning.</p> <p>I. (a) The Great Art Expedition: Evelyn and Margie's Musical Odyssey (Roll No. 1-10) Create a vibrant project documenting the musical journey of Evelyn Glennie and Margie across India. Include colourful pictures, imaginative narratives, and quirky caricatures depicting their adventures, from encountering the Mechanical teacher to teaching groovy dance moves in the Andaman and Nicobar Islands and Delhi. Let your creativity shine as you capture the magic of their musical odyssey in a scrapbook bursting with energy and excitement.</p> <p>(b) "Island Odyssey: Exploring Andaman with Grandfather and Toto" (Roll No. 11-20) You will craft a captivating project documenting an imaginary journey to the Andaman and Nicobar Islands with Grandfather and Toto. You'll highlight the islands' unique attractions, from lush jungles to pristine beaches, while drawing parallels to Delhi's bustling city life. Through descriptive writing and creative expression, showcase cultural similarities, architectural wonders, and culinary delights, fostering a deeper appreciation for diverse cultures and the wonders of exploration. You may use a scrapbook for the same.</p> <p>(c) "Cultural Medley: Exploring Lakshadweep and Delhi's Heritage" (Roll No. 21 onwards) You will embark on an art-integrated project as Tommy from 'The Fun They Had'. You'll delve into the vibrant cultures of Lakshadweep Islands and Delhi. Through research and creative expression, curate a dynamic catalogue highlighting the unique traditions, art forms, and historical legacies of both regions. By celebrating the diversity and richness of Lakshadweep's island culture and Delhi's bustling city life, a deeper understanding of cultural diversity and interconnectedness will be fostered. You may use a scrapbook for the same.</p> <p>AIL (Art Integrated Projects): Illuminate Your Imagination Get ready to dive into the heart of literature and society through captivating projects that blend artistry with academics.</p> <p>Project Guideline: The Project-Portfolio may include the following:</p> <ol style="list-style-type: none"> (a) Cover page, with title of project, school details/details of students. (b) Statement of purpose/objectives/goals (c) Certificate of completion under the guidance of the teacher. (d) The 800-1000 words Essay/Script/Report etc. (e) Student/group reflections. (f) If possible, Photographs / Drawings that capture the positive learning experiences of the student(s). (g) List of resources <p>II. BBC PAGE NO.: - Unseen Passage: Pg. No. 3 – 9 Gap filling: 222 – 229 Diary Entry : 115 – 117</p>
Hindi	<ol style="list-style-type: none"> 1. दिल्ली एवं अंडमान निकोबार द्वीप समूह के खान-पान वेशभूषा व संस्कृति का तुलनात्मक वर्णन कीजिए। (प्रोजेक्ट फाइल में) 2. क्षितिज (गद्य) पाठ 'दो बैलों की कथा' कहानी का नाट्य रूपांतरण करें 3. किसी अनाथ आश्रम में जाकर वहाँ के बच्चों के साथ बातचीत करके उस अनुभव का सचित्र वर्णन करें। 4. 'योग का जीवन में महत्त्व' इस विषय पर एक अनुच्छेद लिखिए। 5. प्रथम इकाई परीक्षा का पाठ्यक्रम याद करें। 6. स्कूल मैगजीन के लिए एक स्वरचित कविता लिखें।

Mathematics	<ol style="list-style-type: none"> Do Chapter Test of Ch.1 Number System, Ch. 2 Polynomials, Ch.3 Coordinate geometry in assignment register. Do Activity No.: 9 and 18 in Mathematics Lab Manual. Prepare Art Integration Project on Delhi & Lakshadweep as per given details: Comparative study on the basis of <ol style="list-style-type: none"> Population Change in last five years Change in sex ratio Agricultural activities etc. Represent the data in tabular form and bar graphs etc. Make the model on following topics according to given Roll No. <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Roll. No.</th> <th>Topic</th> </tr> </thead> <tbody> <tr> <td>1-8</td> <td>Abacus (Wooden)</td> </tr> <tr> <td>9-16</td> <td>Triangle Kit</td> </tr> <tr> <td>17-24</td> <td>Circle Concept Kit</td> </tr> <tr> <td>25-32</td> <td>Mensuration kit</td> </tr> <tr> <td>33-40</td> <td>Fraction Concept Instrument</td> </tr> </tbody> </table> 	Roll. No.	Topic	1-8	Abacus (Wooden)	9-16	Triangle Kit	17-24	Circle Concept Kit	25-32	Mensuration kit	33-40	Fraction Concept Instrument
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General Computer	<ol style="list-style-type: none"> Read Part B (ICT Skills, Green Skills, Enterpreture) carefully and also write 20 new words from each chapter in computer notebook. Make a project on Robotics 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 in computer notebook. Instructions: Font name: Times New Roman Font size: 12 Line spacing: 1.0 Use all ten fingers 												
Social Science	<ol style="list-style-type: none"> Make a PPT on Disaster Management (limit 15 slides) <ol style="list-style-type: none"> Certificate Index Introduction of disaster management Types of Disaster :(i) Manmade disasters name (ii) Natural disasters Manmade disaster –Fire: Causes, vulnerability, risk management Natural Disaster Earthquake: vulnerability, risk management Role of NDRF Make an Art Integration Project on island groups under the following heads. (Do it in project file Pg. limit 15 pg.) <ol style="list-style-type: none"> Location of Andaman and Nicobar and Lakshadweep on the map of India. Climate of both island groups Andaman and Nicobar and Lakshadweep and compare with Delhi Coral reefs images and types. (d) Bird watching areas in islands. Comparative study of food styles in Andaman and Nicobar and Delhi. On the map of France Locate-(i) Bordeaux (ii) Nantes (iii) Paris (iv) Marseilles.(Paste in PNB) On the political map of India locate states from where Tropic of Cancer passes.(Paste in PNB) Learn History: Ch.1 French Revolution, Geography: Ch.1 India size and location Civics: Ch.1 What is democracy? Why democracy? Economics: Ch. 1 The story of village Palampur for Unit test. 												
Sanskrit	<ol style="list-style-type: none"> संस्कृत उत्तरपुस्तिका में 5 चित्रलेखन , 5 पत्र ,5 अपठितगद्यांश कीजिए संस्कृत भाषा में संख्या भरिए – <ol style="list-style-type: none"> (1) सप्ताहे सप्त दिनानि सन्ति कालिदासस्य(2) महाकाव्ये स्त मम पार्श्वे (33) रुष्यकाणि सन्ति मम पार्श्वे (45) आम्राः सन्ति (संस्कृत उत्तरपुस्तिका) स्वर संधि और उसके भेदों को कलात्मक रूप से चार्ट पेपर पर दर्शाइये अपने 5 दिन की दिनचर्या को संस्कृत में लिखिये (संस्कृत उत्तरपुस्तिका) ‘दिल्ली एवम् अंडमान निकोबार के पर्यटन स्थल एवं वेशभूषा’ के विषय पर संस्कृत भाषा में एक सचित्र परियोजना तैयार कीजिए (PROJECT FILE) (दिल्ली के किन्ही 2 पर्यटन स्थल पर जाकर उनकी जानकारी हासिल कीजिए) 												

Science	<ol style="list-style-type: none"> Do the given Annexure I in Science note books separately (Physics, Chemistry, Biology). Learn Ch. 1, 5 and 7 for UT -1. Make a project to compare Lakshadweep OR Andaman and Nicobar Islands with that of Delhi on the basis of following points: <ol style="list-style-type: none"> Flora and Fauna Weather Soil Culture and tradition Transport and Communication Make a colourful and labelled model on the topics given below as per your Roll No. 																		
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<ol style="list-style-type: none"> Prepare a portfolio on Natural Resources on the given sub topics (on colourful A4 Size Sheet.) <table border="1"> <thead> <tr> <th>Roll No.</th> <th>Topic</th> </tr> </thead> <tbody> <tr> <td>1-14</td> <td>Air Pollution</td> </tr> <tr> <td>15-30</td> <td>Water pollution</td> </tr> <tr> <td>31-40</td> <td>Soil Pollution</td> </tr> </tbody> </table> 	Roll No.	Topic	1-14	Air Pollution	15-30	Water pollution	31-40	Soil Pollution											
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<p>Lab Manual Work (Chemistry)</p> <p>Experiment 1: Preparation of :</p> <ol style="list-style-type: none"> a true solution of common salt, sugar and alum a suspension of soil, chalk powder and fine sand in water a colloidal solution of starch in water and egg albumin/milk in water and distinction between these on the basis of <ol style="list-style-type: none"> transparency filtration criteria stability <p>Experiment 2: Preparation of: (a) a mixture (b) a compound Using iron filings and sulphur powder and distinguish between these on the basis of:</p> <ol style="list-style-type: none"> appearance, i.e. homogeneity and heterogeneity behaviour towards a magnet behaviour towards carbon disulphide as a solvent effect of heat. 																			
Art & Craft	<ol style="list-style-type: none"> Make a painting of Lakshadweep Islands on A/3 size sheets. Make an invitation card using coloured paper, stones, beads, sea shells and laces etc. Make a Bandhanwar using sea shells, stones, laces, mirrors etc. 																		
Music	<ol style="list-style-type: none"> Learn folk Song/Bhajan with the help of Your Grand Parents and Parents, Write them in A4 Size Sheet, with its name of Folk Song/ Bhajan Write the names of some Classical Vocalist with pictures on A4 size sheet. How many classical Dances are there in India, make a collage of it with names and places it belongs to, on A4 size sheet. Learn Banasthali Anthem from your almanac. 																		

ANNEXURE I

ASSIGNMENT – SCIENCE

Physics

- Q1.** Mr. Narang while going to his office first goes 5 Km towards south to drop his mother at a temple, then he turns and goes 12 Km towards east. Calculate (i) total distance covered (ii) net displacement of Mr. Narang.
- Q2.** Name the kind of motion, the following will perform:
- A free falling stone
 - Motion performed by the moon around the sun.
 - Motion of a bullet fired from a gun
 - A ball tied to a string and whirled around in a circle over the head.

- Q3.** A train starting from rest attains a velocity of 90 km/hr in 20 minutes. If it is assumed that acceleration is uniform, find (a) its acceleration (b) distance travelled by the train for attaining this velocity.
- Q4.** A body covers one complete revolution around a circular park of circumference 176 m in 4 minutes. Find the displacement of the body after 6 minutes.
- Q5.** A body moves with a velocity of 2m/s for 5s then its velocity increases to 10m/s in the next 5 seconds. Thereafter its velocity begins to decrease at a uniform rate until it comes to rest after 10 seconds.
(a) Plot a velocity-time graph for the motion of the body.
(b) Use graph to find the distance covered by the body in last 10s.
- Q6.** A man travels from city X to city Y and returns to city X on his motor bike. The distance between the two cities is 260 km and the man takes 4 hours 20 minutes to complete his journey. Find his average speed and average velocity in km/h.

Chemistry

- Q1.** Write the three characteristics of particles of matter. When we add some sugar solution or salt in a beaker containing water, after sometime, the sugar or salt becomes invisible. Where does it go? Which property of matter does it show?
- Q2.** Write the difference between evaporation and boiling point.
- Q3.** Boiling water or steam which gives severe burning and why?
- Q4.** Name the three states of matter. List the properties of each state.
- Q5.** Differentiate between boiling point and freezing point.
- Q6.** Define evaporation. On which factors evaporation depends?

Biology

- Q1.** Give three examples of each
(a) Unicellular organism (b) Multicellular organism
- Q2.** Name two structures found in animal cells but not in plant cells.
- Q3.** What would happen if an animal cell is kept in distilled water for 24 hours?
- Q4.** What is selectively permeable membrane? What are its advantage to a cell?
- Q5.** What is the role of Robert Hooke, Leeuwenhoek, Robert Brown, Purkinje, Schleiden, Schwann and Virchow in the discovery and early knowledge of cell?
- Q6. Give reasons:**
(a) Plastids are able to make their own proteins. (b) Plant cells shrink when kept in hypertonic solution.
(c) Plasma membrane permits the entry and exit of only some materials in and out of the cell.

SYLLABUS FOR UNIT TEST – 1 (SESSION-2024-25)

ENGLISH	ENGLISH READER : BEEHIVE: Ch. 1: The Fun They Had, P-1: The Road Not Taken MOMENTS: Ch. 1: The Lost Child GRAMMAR AND COMPOSITION: Tenses (Gap Filling, Editing) WRITING SKILLS: Diary Entry READING SKILLS: Discursive Passage
MATHEMATICS	Ch. 1: Number System Ch. 2: Polynomials Ch. 3: Coordinate Geometry
SCIENCE	CHEMISTRY: Ch 1: Matter in our Surroundings PHYSICS: Ch 7: Motion BIOLOGY: Ch 5: The fundamental unit of life
SOCIAL SCIENCE	HISTORY: Ch. 1: The French Revolution GEOGRAPHY: Ch. 1: India Size and Location CIVICS: Ch. 1: What Is Democracy? Why Democracy? ECONOMICS: Ch. 1: Story of Village Palampur
HINDI	पाठ्यपुस्तक: क्षितिज: पाठ-1: दो बैलों की कथा, पाठ-2: लहासा की ओर , पाठ-7: साखियाँ एवं शब्द कृतिका: पाठ-1: इस जल प्रलय में , व्याकरण: उपसर्ग ,प्रत्यय लेखन: पत्र ,संवाद , पठन: अपठित गद्यांश
SANSKRIT	पाठ-1: भारतविसंतगीति पाठ 2: स्वर्णकाक: व्याकरण: स्वर सन्धि दीर्घ , गुण , अपठित गद्यांश , चित्रलेखनं , अकारांत आकारांत शब्द रूप , अस्मद्,युष्मद् धातु रूप (पठ् अस) हिंदी से संस्कृत में अनुवाद , संख्या (51-100)