

# USPC JAIN PUBLIC SCHOOL

CLASS - IX

HOLIDAYS' HOMEWORK (JUNE 2024)

## REFRESHING ACTIVITIES:

- Learn a new skill.
- Improve your vocabulary.
- Spend time with your family.
- Read a book or magazine.
- Make a favourite meal or snack.
- Enjoy Nature.
- Have a sleep schedule.



## CONTRIBUTE TOWARDS ENVIRONMENT

"THINK GREEN, LIVE GREEN."

Plant a sapling. Water the plant on daily basis. Write the name and uses of the plant on A4 size sheet. Also click the different pictures with plant while nurturing and growing day by day.



SR. NO.	SUBJECT	TASK DETAIL
1	ENGLISH	<p><b>ACTIVITY:</b> Language Evolution Project Research the evolution of British English language. You can explore changes in vocabulary, grammar, and pronunciation over time, and present the findings through a multimedia project, such as a timeline, infographic, or presentation.</p> <p><b>REVISION:</b> Ch - S1 The Lost Child, P2 Wind</p>
2	HINDI	<p>गतिविधि : भारत जिसे 'देवताओं की स्थली' कहा जाता है, अपने कक्षा- गुप के अनुसार दिए गये किन्हीं पाँच-पाँच मंदिरों के चित्र लगाकर उनके बारे में विस्तृत जानकारी एकत्रित करते हुए एक परियोजना बनाएँ।</p> <p>GROUP I : उत्तर भारत के विभिन्न मंदिर GROUP II : दक्षिण भारत के विभिन्न मंदिर GROUP III : पूर्व भारत के विभिन्न मंदिर GROUP IV : पश्चिम भारत के विभिन्न मंदिर GROUP V : उत्तर भारत के विभिन्न मंदिर GROUP VI : दक्षिण भारत के विभिन्न मंदिर</p> <p>दिशा निर्देश: प्रोजेक्ट बनाते समय निम्नलिखित निर्देशों का पालन करें :</p> <ol style="list-style-type: none"> <li>परियोजना पूरी तरह से हस्तलिखित, चित्र सहित और अच्छी तरह से प्रस्तुत होनी चाहिए। प्रिंटआउट स्वीकार नहीं किए जाएँगे।</li> <li>कवर पेज पर विषय-सूची, ग्रंथसूची, शीर्षक और उपशीर्षक आदि अवश्य लिखे जाने चाहिएँ।</li> <li>प्रोजेक्ट को साफ-सुथरे तरीके से A4 SHEET पर और एक फोल्डर में प्रस्तुत किया जाना चाहिए।</li> <li>प्रोजेक्ट की पृष्ठ सीमा 10 से 12 पृष्ठ होनी चाहिएँ।</li> </ol> <p>पुनरावृत्ति : L - 2 ( लहासा की ओर ) तथा P - 2 ( वाख ) से संबंधित समस्त कार्य स्मरण करें।</p>
3	MATHEMATICS	<p><b>ACTIVITY 1: SQUARE ROOT SPIRAL</b> To obtain a square root spiral of natural numbers using graduated strips.</p> <p><b>ACTIVITY 2: ALGEBRAIC IDENTITY</b> To verify the algebraic identity: <math>(a + b)^3 = a^3 + 3a^2b + 3ab^2 + b^3</math></p> <p><b>NOTE: DO THE ABOVE MENTIONED ACTIVITIES IN ACTIVITY NOTEBOOK.</b></p> <p><b>PROJECT: HISTORY OF MATHEMATICAL CONCEPT</b> To investigate various historical concepts of the number <math>\pi</math>.</p> <p><b>REVISION:</b> Revise Ch 1: Number System, Ch 2: Polynomials, Ch3: Coordinate Geometry &amp; Ch - 4 Linear Equations in two Variables</p> <p><b>EXEMPLAR:</b> Do practice of highlighted questions in your Activity Notebook from the link mentioned below. <b>LINK:</b> <a href="https://drive.google.com/drive/folders/1-8X75V3AqD-O4RROhW8vd-S_plm-UDnv">https://drive.google.com/drive/folders/1-8X75V3AqD-O4RROhW8vd-S_plm-UDnv</a></p>

4	SCIENCE	<p><b>A. PROJECT WORK</b> Prepare the model and project report on the following topic (mandatory for all). <b>GROUP I- MODEL OF A PLANT OR ANIMAL CELL</b> <b>INSTRUCTIONS:</b> Make a model of a Plant cell or Animal cell using material like clay or playdough. Include organelles such as the nucleus, mitochondria, endoplasmic reticulum, golgi apparatus , and chloroplasts or centrioles. Make a project file to explain the working of the same. <b>GROUP II- INVESTIGATE THE NUTRITIONAL CONTENT OF DIFFERENT FOODS</b> <b>INSTRUCTIONS:</b> Investigate the nutritional content of different foods. Make a file to represent your work. <b>GROUP III- CONSTRUCT A RUBE GOLDBERG MACHINE</b> <b>INSTRUCTIONS:</b> Construct a rube goldberg machine using everyday objects to show your creativity and to demonstrate the concept of force, motion and law of transfer of energy. Make a project file to explain the working of the same. <b>GROUP IV- BUILD A CAR TO DEMONSTRATE THIRD LAW OF MOTION</b> <b>INSTRUCTIONS:</b> Build a simple balloon powered car using a balloon, a straw and wheels made from materials like CD or bottle caps to demonstrate third law of motion. Make a project file to explain the working of the same. <b>GROUP V- BOHR'S ATOMIC MODEL</b> <b>INSTRUCTIONS:</b> Make a 3-D model to explain Bohr's atomic structure or electronic configuration. Make a project file to explain the working of the same. <b>GROUP VI- STATES OF MATTER</b> <b>INSTRUCTIONS:</b> Make a 3-D model to explain states of matter. Make a project file to explain the working of the same.</p> <p><b>B. REVISION</b> 1.Revise Chapter 1 (Matter in our surroundings), Chapter 2 (is matter around us pure?) 2. Make all the diagrams of Chapter 5 (The fundamental unit of life) and Chapter 6 (Tissues) atleast 2 times in biology notebook. 3. Read chapter 8( Force and laws of motion) and make questionnaire from the topic mass and inertia, first law of motion in your physics notebook.</p>
5	SOCIAL SCIENCE	<p><b>PROJECT WORK:</b> Prepare a project report on the below mentioned topic (mandatory for all). <b>2. TOPICS ALLOTTED:</b> <b>GROUP I- EARTHQUAKE</b> <b>GROUP II- FLOOD</b> <b>GROUP III- DROUGHT</b> <b>GROUP IV- TERRORIST ATTACK</b> <b>GROUP V- LANDSLIDES</b> <b>GROUP VI- ROAD ACCIDENTS</b> <b>ADHERE THE FOLLOWING INSTRUCTIONS WHILE MAKING PROJECT:</b> 1. The project should be completely handwritten, well presented, researched and pictorial.printouts will not be accepted. 2. Cover page, table of contents, bibliography, acknowledgement, headings and sub headings etc. Are must be written. 3. The project should be presented in a neatly bound a4 size folder. 4. Page limit of the project should be 15 to 20 pages. 5. Various forms of art like posters, maps, collages must be integrated in the project. These may be hand drawn or printed. 6. The project report must include facts in the form of newspaper cutting graphs or any other relevant information. <b>REVISION:</b> Revise <b>Political Science</b> Ch-1: What is democracy? Why democracy &amp; <b>History</b> Ch-1: The French Revolution.</p>
6	PUNJABI	<p><b>ਲੇਖ :-</b> ਵਧਦੀ ਆਬਾਦੀ : ਇੱਕ ਸਮੱਸਿਆ <b>ਨੁਕਤੇ:-</b> ਭੂਮਿਕਾ, ਜਨਸੰਖਿਆ ਵਿਸਫੋਟ, ਭਾਰਤ ਵਿੱਚ ਆਬਾਦੀ ਵਧਣ ਦੇ ਕਾਰਨ, ਪ੍ਰਭਾਵ ,ਵਧਦੀ ਆਬਾਦੀ ਦੀ ਸਮੱਸਿਆ ਦਾ ਹੱਲ, ਸਾਰਾਂਸ਼। <b>ਲੇਖ :-</b> ਆਨ-ਲਾਈਨ ਖਰੀਦਦਾਰੀ <b>ਨੁਕਤੇ:</b> ਭੂਮਿਕਾ, ਆਨਲਾਈਨ ਖਰੀਦਦਾਰੀ ਤੋਂ ਭਾਵ, ਆਨਲਾਈਨ ਖਰੀਦਦਾਰੀ ਦਾ ਖੇਤਰ, ਆਨਲਾਈਨ ਖਰੀਦਦਾਰੀ ਦੇ ਲਾਭ, ਆਨਲਾਈਨ ਖਰੀਦਦਾਰੀ ਦੇ ਨੁਕਸਾਨ, ਆਨਲਾਈਨ ਖਰੀਦਦਾਰੀ ਕਰਨ ਸਮੇਂ ਧਿਆਨ ਰੱਖਣ ਯੋਗ ਗੱਲਾਂ, ਸਾਰਾਂਸ਼। <b>ਦੁਹਰਾਈ:</b> ਵਿਸਾਖੀ ਦਾ ਮੇਲਾ ਕਵਿਤਾ ਅਤੇ ਕਹਾਣੀ ਜਨਮ ਦਿਨ ਦੇ ਅਭਿਆਸ ਦੇ ਪ੍ਰਸ਼ਨਾਂ ਅਤੇ ਉੱਤਰਾਂ ਦੀ ਦੁਹਰਾਈ।</p>

**NOTE: Worksheets will be shared soon on School APP and these worksheets have to be done in subject notebook showing good presentation skills.**

**GENERAL INSTRUCTIONS:**

1. It is mandatory for the students to complete each task given.
2. All the students are INSTRUCTED to revise the syllabus covered so far of all the subjects thoroughly.
3. The students should submit the work done to the concerned subject teacher within the week the school reopens after the holidays.