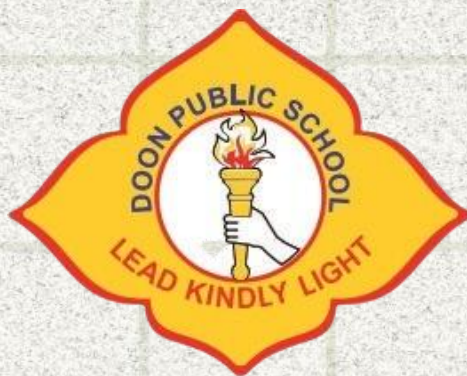


Doon Public School

# Doon Public School

A New Generation Sr. Sec. School | Recognised & Affiliated to CBSE  
Sector 21, Panchkula - 134112 (Haryana)



## SUMMER BREAK ASSIGNMENTS

SESSION: 2024 - 2025

Class -IX



**Dear Doonites,**

As we head into the summer vacation, we would like to encourage you to make the most of this time for both relaxation and enrichment.

🌻 While it's essential to take a break and recharge, it's also an opportunity to engage in activities that stimulate your mind and foster personal growth.



📖 **Stay Academically Engaged:**

Read books that interest you or are part of your upcoming curriculum. Review and practice subjects, you find challenging to stay sharp.

🧑🚲 **Stay Physically Active:**

Engage in sports, outdoor activities or regular exercise.

Avoid spending too much time on screens; balance with physical activities.

🧑🔍🧑🔧 **Develop New Skills:**

Learn any new hobby or skill such as cooking, gardening, coding, or playing an instrument.

🏠😊 **Maintain a Routine:**

Keep a consistent sleep schedule to avoid disrupting your body clock.

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Stay connected and spend quality time with your family and friends. Create memories, share stories, and cherish these moments together.



**Mental Well-being:**



Take time to relax and unwind; practice mindfulness or meditation.



Moreover, Vacation work has also been planned for you to explore during the break.



Remember, the purpose of this assignment is not to add stress to your vacation but to encourage you to engage in activities that are meaningful and fulfilling.



The work is designed to be enjoyable yet thought-provoking, helping you to continue learning outside the classroom. Remember, learning doesn't stop when school is out!



Take some time to review your notes from the past months. Reflect on what you've learned, your strengths, and areas where you can improve.



Set some goals for the upcoming Periodic Assessment, based on your reflections.



Have a wonderful holiday, and do collect your experiences, reflections, and any new insights gained during this time.



Last but not the least, celebrate and reflect upon several significant days falling during the Vacation time.





## World Environment Day (June 5th):

Remind yourself the responsibility to protect and preserve our environment. Engage in activities that promote sustainability, such as planting trees, reducing waste, and conserving energy. Small actions can have a big impact on our planet's health.



## Father's Day (June 16th):

Honour and appreciate the fathers and father figures in your lives. Use this day to express your gratitude and love. A simple gesture, a heartfelt message, or spending quality time together can make this day memorable.



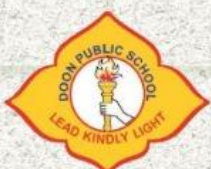
## International Yoga Day (June 21st):

Maintain physical and mental well-being through yoga. Take some time to practice yoga, learn new poses, and meditate. Share the experience with your family and friends, and explore how yoga can bring peace and balance to your daily life.

Following these guidelines will help you ensure a balanced, productive, and enjoyable summer vacation.

Team Doon looks forward to hearing about your experiences when we return to school.

Wishing you all a fantastic and rejuvenating summer vacation!



## Project Work

### English

#### Assignment- 1

Write a decorative- art integrated, self-composed poem with a suitable title (on A-4 size sheet) describing the state of Haryana (emphasizing on the beauty, nature and specialties). Mention the following in your composition -

- The rhyming scheme
- The poetic devices such as- alliteration, metaphor, simile, personification etc.

#### Assignment- 2

Write a descriptive paragraph (in about 150-200 words) on **Albert Einstein** ('A Truly Beautiful Mind') along with a picture and highlight upon the art- integration and inter-disciplinary correlations. Make a special mention of his works in his specific fields and his achievements.

#### Assignment- 3

Complete the following pages in the English Plus Assignments book-

- Unseen Comprehension, pg.no.11 to 34.
- Writing assignments pg.no. 81 to 86 to
- Diagnostic tests pg.no. 211 to 218 & pg.no.243 to 250

### Hindi

"आज के युग को वैज्ञानिक युग कहा जाए तो कोई अतिशयोक्ति नहीं होगी। आज सर्वत्र विज्ञान का ही राज्य दिखता है। एक समय था मनुष्य जब केवल जंगलों एवं वनों पर ही आधारित था प्रकृति का दास था।"

उपर्युक्त विषय के आधार पर वैज्ञानिक युग एवं प्राचीन युग की जीवन शैली को चित्र के आधार पर दर्शाते हुए वर्णन कीजिए और निम्नलिखित बिंदुओं को समाहित कीजिए।

- विभिन्न उपकरणों का उपयोग
- दैनिक कार्यशाली
- भोजन शैली इत्यादि

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| <b>Sanskrit</b>    | <ul style="list-style-type: none"><li>• संस्कृत- परियोजना-कार्य<br/>✓ प्रदत्तेषु विषयेषु अनुच्छेद लेखनम् लिखत ।<br/>'संस्कृत भाषायाम् महत्त्वम् '</li><li>• प्रतिदिनं संस्कृत पाठ्यपुस्तकस्य एकं पृष्ठं अवश्यं पठन्तु ।<br/>(प्रतिदिन संस्कृत पाठ्यपुस्तक का एक पेज अवश्य पढ़ें )</li></ul>  |
| <b>Mathematics</b> | <p>1. Do the following activity.<br/>Contribution of any five mathematicians in field of mathematics with pictures.<br/>Please follow the given sequence to write your activity-</p> <ul style="list-style-type: none"><li>• Cover Page</li><li>• Acknowledgment</li><li>• Index</li><li>• Main Content (10 sheets)</li><li>• Conclusion</li><li>• Bibliography</li></ul> <p>2. Complete the Mathematics lab manual (neat and clean) with the activity no. 3,4,5,6,7.</p>  |
| <b>Science</b>     | <p>• Complete the following experiments in your practical file-</p> <p><b>Chemistry-</b></p> <p>i) Preparation of</p> <ol style="list-style-type: none"><li>a) a true solution of common salt, sugar and alum.</li><li>b) a suspension of soil, chalk powder and fine sand in water.</li><li>c) A colloidal solution of starch in water and egg albumin/milk in water and distinction between these on the basis of transparency, filtration criterion and stability.</li></ol> <p>ii) Preparation of</p> <ol style="list-style-type: none"><li>a) a mixture</li></ol> |

|                              |   |
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|                              | <p>b) a compound using iron fillings and sulphur powder and distinguishing them on the basis of appearance, behaviour towards magnet, behaviour towards carbon disulphide as a solvent, effect of heat.</p> <p>iii) Determination of the melting point of ice and boiling point of water.</p> <p><b>Physics-</b></p> <p>i) Determination of density of solid by using a spring balance and a measuring cylinder.</p> <p>ii) Establishing the relation between the loss in weight of a solid when fully immersed in</p> <p>a) tap water</p> <p>b) strongly salty water, with the weight of water displaced by it by taking it at least two different solids.</p> <p><b>Biology-</b></p> <p>i) Preparation of stained temporary mounts of</p> <p>a) onion peel</p> <p>b) human cheek cells and record observations and draw their labelled diagrams.</p> <p>ii) Identification of Parenchyma, Collenchyma and Sclerenchyma tissue in plants, striped, smooth and cardiac muscle fibre and nerve cells in animals from prepared slides.</p> <ul style="list-style-type: none"><li>• Make Carbon cycle, Nitrogen cycle and Oxygen cycle on an A4 sheet and paste it in your notebook.</li></ul> |
| <p><b>Social Science</b></p> | <p>Prepare an art-integrated project on 'Disaster Management'</p> <ul style="list-style-type: none"><li>• What is disaster?</li><li>• Types of disasters</li><li>• Preventive Measures</li><li>• Case Study: Any disaster happened in India (Timeline)</li></ul>  |



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|                                  | <ul style="list-style-type: none"> <li>• Case Study: Any disaster happened in Japan (Timeline)</li> </ul>  |
| <b>Banking &amp; Insurance</b>   | <p><b>Make a project file (Handwritten) on the following topic-</b><br/>As a student of class 9<sup>th</sup>, which account can you open in the nearest bank? What would be the nature of it? Give reasons to support your answer.</p> <p>Explain the procedure followed by you to open such an account. Also collect various forms used like pain slips, withdrawal slips and fill them up. Attach these forms in your project file.</p>  |
| <b>Physical Activity Trainer</b> | <p>Write the following practical in your practical file of Physical Activity Trainer.</p> <p>Choose any one game from the given list: Basketball, Handball, Volleyball, Badminton, Cricket, Football.</p> <p>Write an activity highlighting the importance of equipment used for conducting the chosen game.</p> <p><b>Instructions -</b></p> <ul style="list-style-type: none"> <li>• Label the diagram of the field along with its measurement.</li> <li>• Specify the equipment used.</li> <li>• Write the heading with black pen.</li> <li>• Cover the practical file with white chart.</li> </ul> |
| <b>Information Technology</b>    | <p><b>1. Practical of Spreadsheet</b></p> <p><b><u>Practical-1:</u></b><br/>Design a Time - Table in spreadsheet and do all the table - formatting tools.</p> <p><b><u>Practical -2:</u></b><br/>Design a Result Analysis Sheet of minimum 10 students and calculate total, age and rank.</p> <p><b><u>Practical-3:</u></b><br/>Design a Sale Sheet Q-11 as given in practical work (page no 349)</p>  |



## Practical-4:

Design a Salary Sheet Q-12 as given in practical work (page no 349)

## Practical-5:

Convert result of each student (Practical 2) in Pie and Bar chart. Also do the formatting of chart.

## Practical-6:

Convert the data of population growth as given in page no 350 (Qus-17) into a column chart.

2. Prepare a PowerPoint Presentation of 10-15 slides with animation (Project) on any one of the following topics and save the presentation with your name, class and section.

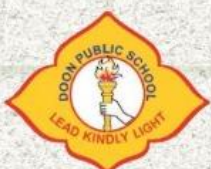
- a) ONLINE EDUCATION
- b) WORLD OF COMPUTER AND INTERNET
- c) GLOBAL WARMING
- d) FESTIVALS OF INDIA
- e) NATIONAL INTEGRITY OF INDIA
- f) DISASTER MANAGEMENT
- g) POLLUTION AND TYPES OF POLLUTION
- h) CYBER CRIMES

**Punjabi**

' ਪੰਜਾਬ ਦੇ ਮੇਲੇ ' ਤੇ ਇੱਕ ਪਰਿਯੋਜਨਾ ਚਿੱਤਰ ਸਹਿਤ ਤਿਆਰ ਕਰੋ।

**NOTE: The Project work in all the subjects must be done on A- 4 sheets and practical files/Books (where ever mentioned), then it will be compiled subject wise in different Project Files.**

**Revise the syllabus covered during the months of April, May and June for the Periodic Tests.**



## Portfolios Activities - Mandatory Assignment

|   |   |
|---|---|
| <p><b>Self-<br/>introductory page</b></p> | <p>For the portfolios to be crafted for the upcoming session 2024-25, students have to create a self-introductory innovative page by using drawing, colour, art or any craft, or a digital page using any graphic design software tool, such as Paintbrush, Tux Paint MS PowerPoint etc. This page should include aspects such as strengths, weaknesses, challenges, uniqueness, motivation, areas of improvement, moments of joy, and ambitions. Remember to bring a hard copy of this on the first day when the school reopens.</p> |
| <p><b>Community Work</b></p>              | <p>Embark on a journey of giving back to your community this summer! How do you envision making a positive impact? Whether it's lending a hand at a local shelter, orchestrating a park clean-up, guiding younger minds through tutoring sessions, or aiding a food bank, your efforts matter. Capture the essence of your experiences through photos, weaving them into a vibrant collage that mirrors your commitment in your portfolio.</p>  |



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|------------------------|--|
| <b>Tree Plantation</b> | Collect seeds of a particular plant of your choice. Then plant the seeds in the soil and observe its growth. Click the picture of yours with the seed on the very first day (5 <sup>th</sup> June, World Environment Day) and then the picture with the plant on the very last day of your holiday. Paste these pictures on an A4 size sheet.  |
| <b>Save Water</b>      | <p>Water is one of the most stressed and exploited resources. Almost 600 million people face high to extreme water stress in India. By 2025, more than 2.8 billion people living in 48 countries will face water stress or water scarcity (United Nations Population Projection). Hence conserving water is the need of the hour, not only for our healthy future but for our future generations as well.</p> <p>But wait, the change starts from within. Have you ever wondered how much water do you waste and how much water is actually enough for our daily activities? Let's access this with a simple activity by answering the following questions.</p> <ol style="list-style-type: none"><li>1. Do you brush your teeth in running water or with a cup? How much time do you take in brushing your teeth?</li><li>2. How many times in a day, do you take bath? Do you use shower?</li><li>3. How many washrooms do you have in your home? Are they dual flush or single flush?</li><li>4. Do you wash your bicycles with running water/ bucket/ or dry cleaning by wiping with cloth?</li><li>5. Are your appliances water efficient? Also mention the ways by which we check the efficiency of our water appliances.</li><li>6. Perform a small activity.<ul style="list-style-type: none"><li>• On the first day, perform all your activities by your traditional methods of using water at home</li></ul></li></ol> |

and note down the water meter reading in the beginning and the end of the day.

- On the second day, devise various methods by minimizing water wastage and keeping a check on your water usage. Note the reading of your water meter in the beginning of the day and at the end of that day.
  - Now multiply the reading of both the days with 30 respectively. And find the difference in the amount of water you conserved.
7. Mention all the different ways you adopted to minimize water wastage at your home?  
Use A4 size sheets for this activity.

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