

Doon Public School

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




SUMMER BREAK ASSIGNMENTS

SESSION: 2026 - 2027



Class – IX

Doon Public School



Dear Doonite Families,

A. A. Milne, in his 1926 classic, "Winnie the Pooh," wrote, "Piglet noticed that even though he had a very small heart, it could hold a rather large amount of gratitude." Our little pink friend was grateful for the richness he had in his life; great friends, a warm place to sleep and a few tasty "haycorns" to eat.

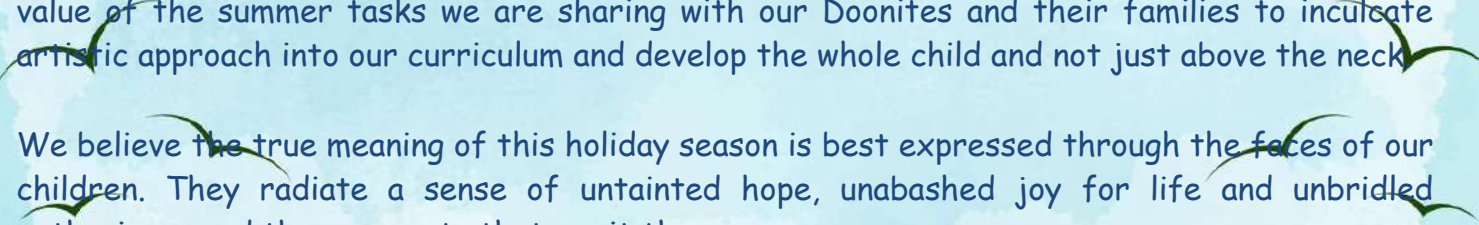


As we break for the summer holidays, we want to take a moment to express our heartfelt gratitude to all who help make Doon Public School an amazing place to be. We Doonite families are a community with many gifts and talents, which we share daily with one another and most important, our students. From our living room, to the classroom, and all points in-between, our collective efforts are to raise the whole child. We are a community filled with passion, commitment and a willingness to make decisions that may be hard in the present, but will have a positive and lasting influence in the future for all. Parents play a very critical role in what we envision to accomplish on behalf of our Doonite scholars. You are adeptly doing what we know firsthand is the firmest, most rewarding and blissful job of all. We are grateful to you for entrusting us with your most precious gift.

We are appreciative to our wonderful, creative, talented, optimistic, resourceful, inquisitive, and resilient students. Often, they make us laugh, occasionally they make us cry, nonetheless always they make us contemplate. On the whole, they make us better. In the essence of this holiday season, we extend our fervent wish that each of you receives and returns the seasonal abundance of blessings and good tidings that make these days truly special.

Education offers us all a number of amazing occasions to focus on abundant small things that accrue overtime to produce students that are prepared to do greater things in life. Eventually, as a collective community, we are judged by the actions of our student body as a whole and the system new students' learning connects and impacts the world beyond our school. At our school, we are devoted to inculcating the arts into our academic curriculum as we believe that we learn better with and through an artistic approach.

With this approach as our core vision and philosophy, we are sure you will understand the higher value of the summer tasks we are sharing with our Doonites and their families to inculcate artistic approach into our curriculum and develop the whole child and not just above the neck.



We believe the true meaning of this holiday season is best expressed through the faces of our children. They radiate a sense of untainted hope, unabashed joy for life and unbridled enthusiasm, and the prospects that await them.

To the parents and friends of Doonite community, please have a safe and joyous holiday season.

With Regards,
Team Doon



Doon Public School

INTER DISCIPLINARY PROJECT

Theme: The Pot Maker - Preserving Traditional Crafts and Livelihoods

Task: Prepare a Project File on the life and work of a pot maker.

General Instructions:

- The entire project must be handwritten neatly on A4 size sheets.
- Each subject must have 1-2 pages.
- Use the blank side of the sheet for relevant photographs, hand-drawn diagrams, maps or data charts.
- Use a simple, neatly bound folder. Avoid expensive plastic covers; prefer eco-friendly materials.
- Submit on the first day after vacation.

English

Explain -

- The importance of pottery as a traditional craft
- Its role in Indian culture
- Its contribution to the economy and environment.

Mathematics

Design Your Pottery Vessel on the Coordinate Plane

Phase 1: Design Half Your Pot - Quadrant I

Draw the right side of your pot.

- Take graph paper. Draw a dark X-axis \rightarrow and Y-axis \uparrow in the center.
- Y-axis = height of your pot. X-axis = table/floor.
- Your pot will stand on the X-axis.
- Only use Quadrant I - the top-right box where both x and y are positive.
- Draw a smooth curve in Quadrant I.
- This is the right side of your pot from base to rim. Think vase, kulhad, or surahi.
- Mark 5 important points on your curve and write their coordinates (x, y): Point A - Base, Point B - Belly, Point C - Neck, Point D - Rim, Point E - Any curve point

	<p>Phase 2: Complete Your Pot - Mirror Image in Quadrant II</p> <p>Make your pot symmetrical so it won't fall.</p> <ul style="list-style-type: none"> ➤ Rule for Mirror Image: To reflect a point across the Y-axis, just make the x-coordinate negative. Rule: $(x, y) \rightarrow (-x, y)$ ➤ Plot all 5 mirror points in Quadrant II - the top-left box. ➤ the mirror points with a smooth curve. Now you can see the full pot! ➤ The Y-axis is the center line. ➤ Color or shade your pot.
<p>Science</p>	<p>Explain: Properties of Clay Identify and explain the physical properties of clay that make it suitable for pottery:</p> <ul style="list-style-type: none"> • Plasticity • Water retention • Mould ability • Hardening on heating <p>Investigate: The Science Behind Pottery</p> <ul style="list-style-type: none"> • Explain what happens when wet clay is shaped and dried. • Describe the changes that occur when clay is fired in a kiln. • Differentiate between - Physical change (shaping and drying) and chemical change (baking/firing) <p>Include: One labelled diagram showing the stages of pottery making: Clay collection → Kneading → Shaping → Drying → Firing → Finished Pot</p>
<p>Hindi</p>	<p>भारतीय कुम्हार कला पर 4-5 पृष्ठों की परियोजना तैयार करें। इसमें कुम्हार का कार्य, मिट्टी के बर्तन बनाने की प्रक्रिया, भारतीय शिल्प के अंतर्गत इसका महत्व, चुनौतियाँ तथा संरक्षण के उपाय शामिल करें। चित्र सहित निष्कर्ष लिखें।</p> <ul style="list-style-type: none"> • कार्य 4-5 पृष्ठों में A4 शीट पर करें।

	<ul style="list-style-type: none"> • कार्य को सुंदर तरीके से सजाएँ। कवर पेज, चित्र और अलग-अलग भाग स्पष्ट रखें। • कार्य अपनी सोच, रचनात्मकता और अपने शब्दों में करें।
Punjabi	<p>ਪ੍ਰੋਜੈਕਟ ਦਾ ਵਿਸ਼ਾ: "ਪੰਜਾਬ ਦੇ ਰਵਾਇਤੀ ਹੱਥੀਂ ਬਣੇ ਸ਼ਿਲਪ ਅਤੇ ਕਲਾ"</p> <p>ਹੇਠ ਲਿਖੇ ਬਿੰਦੂਆਂ ਦੇ ਆਧਾਰ 'ਤੇ ਪ੍ਰੋਜੈਕਟ ਤਿਆਰ ਕਰੋ:</p> <ul style="list-style-type: none"> • ਕਵਰ ਪੇਜ • ਸੂਚੀ (Index) • ਜਾਣ-ਪਛਾਣ • ਪੰਜਾਬ ਦੇ ਰਵਾਇਤੀ ਸ਼ਿਲਪ • ਮਿੱਟੀ ਦੇ ਬਰਤਨ ਬਣਾਉਣ ਦੀ ਕਲਾ • ਕਾਰੀਗਰਾਂ ਦਾ ਜੀਵਨ • ਆਧੁਨਿਕ ਸਮੇਂ ਦੀਆਂ ਚੁਣੌਤੀਆਂ • ਸੱਭਿਆਚਾਰਕ ਮਹੱਤਤਾ • ਸਿੱਟਾ <p>ਮਹੱਤਵਪੂਰਨ ਹਦਾਇਤਾਂ:</p> <ul style="list-style-type: none"> • ਪ੍ਰੋਜੈਕਟ 8-10 ਪੰਨਿਆਂ ਦਾ ਹੋਵੇ। • ਸਾਫ਼-ਸੁਥਰੀ ਲਿਖਾਈ ਹੋਵੇ। • ਚਿੱਤਰਾਂ ਅਤੇ ਰੰਗਾਂ ਦਾ ਉਪਯੋਗ ਕਰੋ। • ਹਰ ਭਾਗ ਨਵੇਂ ਪੰਨੇ ਤੋਂ ਸ਼ੁਰੂ ਕਰੋ। • ਕੰਮ ਆਪਣੀ ਲਿਖਤ ਵਿੱਚ ਕੀਤਾ ਜਾਵੇ।

INDIVIDUAL PROJECTS/PRACTICALS

Mathematics	Lab Manual- Write the activities -: 2,3,4,5,6 in your Lab Manual.
Social Science	<p>Every student must undertake a project on the following topic:</p> <p>The Indian Monsoon and Climate Change</p> <p>➤ Introduction</p>

- Factors Influencing India's Climate -
- Mechanism of the Monsoon
 - The Seasonal Reversal
 - The ITCZ
- Case Study:
 - Climate Change & Education
 - Discuss how extreme weather events (floods, heatwaves) are disrupting daily life and schooling.
- Data Analysis: News report of a recent "unseasonal" rain or a severe heatwave in your city.
- Conclusion & Solutions

Project Structure (Sequence of Pages):

Your project should follow this exact order-

- Cover Page
- Certificate
- Acknowledgement
- Index/Table of Contents
- Introduction - Definition of weather, climate and important terms, atmospheric composition
- Main Content (10-12 pages) - Factors influencing India's climate, Mechanism of the monsoon, Case Study, Data Analysis
- Conclusion and Solutions
- Bibliography
- Teacher's Observation and Signature

Formatting Instructions:

- The entire project must be handwritten neatly on A4 size sheets.
- Use the blank side of the sheet for relevant photographs, hand-drawn diagrams, maps or data charts.
- Use a simple, neatly bound folder. Avoid expensive plastic covers; prefer eco-friendly materials.

**Information
Technology**

Instructions:

- Write the following Practical in your Practical file.
- Paste or draw output with each practical.
- Cover the practical file with white chart.

- Write the heading with black pen.

I. Practical of Spreadsheet

- (i) **Practical-1:** Design a Time- Table in spreadsheet and do all the table formatting tools.
- (ii) **Practical -2:** Design a Result Analysis Sheet of minimum 10 students and calculate total, age and Rank.
- (iii) **Practical-3:** Design a Sale Sheet Q-11 as given in practical work (page no 322)
- (iv) **Practical-4:** Design a Salary Sheet Q-12 as given in practical work (page no 322)
- (v) **Practical-5:** Convert result of each student
- (vi) (Practical 2) in Pie and Bar chart . Also do the formatting of chart.
- (vii) **Practical-6:** Create a worksheet Question no 9 and perform the formulas (page no 322)

II. PowerPoint Presentation

Instructions:

- The Presentation should be of at least 10-15 slides with animation.
- Save the Presentation with your name and section.

Prepare a PowerPoint Presentation (Project) on any one of the following topics:

- (i) Online education
- (ii) World of computer and internet
- (iii) Global warming
- (iv) Festivals of India
- (v) National integrity of India
- (vi) Disaster management
- (vii) Pollution and types of pollution
- (viii) Cyber crimes
