

# DSB INTERNATIONAL PUBLIC SCHOOL, RISHIKESH

## XI Science – Holiday Homework (2026)



Submission Deadline: **First week of July 2026**

All homework should be submitted neatly, creatively, and self-prepared.




**Class Incharge (XI Science):** Prabhat Gupta | +919675235068



For any query, please contact or DM.



### PHYSICS

- **Practical** – Use a Vernier calliper to determine the volume of a given glass slab.  
→ Write in your **Physics fair notebook**.
- **Assignment** – Complete the given assignment in your Physics fair notebook.  
 [Click here for assignment link](#)



### CHEMISTRY

**Prepare a practical notebook** and write the following experiment:

Prepare a standard solution of Oxalic acid (M/20, 250 ml) and using this solution, determine the molarity and strength of the given NaOH solution.



### BIOLOGY

**Lab Manual Experiments** – Write the following in your lab manual:

1. To study the parts of a compound microscope.
2. To prepare and study the T.S. of a monocot root and shoot.
3. To prepare and study the T.S. of a dicot root and shoot.
4. To study the distribution of stomata on the upper and lower surfaces of leaves.



### PAINTING

- Create a **Kamalkari painting** on a canvas using acrylic colours.
- **Size:** 18 × 24 (units as specified by your teacher).



## YOGA

- **Surya Namaskar** – Write importance of Surya, explain all 12 steps with pictures.
- **Mudras (Hand Gestures)** – Write importance, procedure, benefits of: Prana, Gyan, Surya, Vayu, Shaanya, Apan, Prithvi Mudra. Include pictures.
- **Balanced Diet** – Explain what a balanced diet is.
- **Role of Nutrients** – Describe role of major and minor nutrients in diet.
- **Types of Asanas** – Write any two from: Standing, Sitting, Meditative, Supine line, Prone line, Balancing, Relaxation asanas.



## COMPUTER SCIENCE

- Diagrams of logic gates (labelled).
- De Morgan's Laws – state and explain.
- 10 simple Python programs (basic calculations, conditionals, loops, etc.).



## ENGLISH

**Book Review Project** (Prepare a project file with pictures)

- Cover Page
- Acknowledgement
- Introduction of the Book
- About the Author
- Main Characters
- Theme and Message
- Personal Review
- Conclusion



## MATHEMATICS

- Do **Activities 1 to 5** from the Maths Lab Manual.
- Use the Maths Lab Manual or any file for the same.



### First Topic – Choose any one game

- Draw labelled diagram of the game in class notebook.
- Introduction, history, rules & regulations.
- Important skills and technology.
- Write 5 each (National & International) of tournaments, trophies, famous personalities.



### Second Topic – National Awards (given on 29 August)

- Major Dhyan Chand
- Khel Ratna Award
- Arjuna Award
- Dronacharya Award
- Dhyan Chand Award
- Rashtriya Khel Protsahan Puruskar
- Maulana Abul Kalam Azad Trophy

Explain each with history, importance, who it is given to, cash prize, and paste pictures.



**कहानी:** 'हार की जीत' – लेखक: सुदर्शन  
परियोजना फाइल / A4 शीट में करें:

1. लेखक परिचय
2. कहानी का संक्षिप्त सार (अपने शब्दों में)
3. बाबा भारती एवं खड़ग सिंह का चरित्र-चित्रण
4. "मानवता सबसे बड़ी शक्ति है" पर 150 शब्द
5. कहानी के किसी एक दृश्य का रंगीन चित्र / कॉमिक
6. कहानी से मिलने वाली शिक्षा
7. (वैकल्पिक) छोटा अभिनय / वीडियो का QR Code

**नोट:** कार्य साफ-सुथरा, रचनात्मक एवं स्वयं तैयार किया हुआ होना चाहिए।