

**ST. COLUMBUS SCHOOL**  
**DAYAL BAGH, FARIDABAD**  
**CLASS – IX**  
**HOLIDAY HOMEWORK (2025-26)**

**General Instructions:-**

1. Revise the completed syllabus of all the subjects for the Test to be held in July.
2. Holiday Homework of all the subjects should be done in A4 size sheets in neat and presentable manner.
3. Submit the H.W. in a separate properly labelled folder in neat and clean Handwriting.
4. Holiday Homework will be a part of Internal Assessment and would be marked accordingly. It must be done properly according to the instructions given by the teachers.
5. Parents kindly ensure your ward completes all the work assigned regularly and submits it on time.

**ENGLISH**

1. Design a school magazine highlighting the major attractions of your school.  
Include the basic overview of the school structure and its goals. Do it on a Pastel Sheet or Cartridge sheet. The magazine content should be handwritten/ drawn.  
You may include the following sections: • Infrastructure • Academic Goals • Sports • Major attractions • House Achievements • School Assembly
2. Write a paragraph on how you spent your summer vacation.
3. Write a creative story on any of the following topics:
  - Horror.....
  - Fairy Tale....
  - Fantasy.....
  - Fiction in Verse.....
  - Historical
  - Comical

## हिंदी

1. 'विश्व योग दिवस' विषय को ध्यान में रखते हुए शिक्षक तथा विद्यार्थी के बीच संवाद लिखिए।
2. दिए गए विषयों में से किसी एक विषय पर स्वरचित स्लोगन लिखिए तथा संबंधित चित्र बनाइए-  
मातृ दिवस, हिंदी दिवस, साइबर क्राइम : होशियार रहें, सुरक्षित रहें।
3. दिए गए शीर्षक व शिक्षा पर आधारित स्वरचित लघु कथा लिखिए-

**शीर्षक:-** अभ्यास की शक्ति

**शिक्षा:-** अभ्यास सफलता का मूलमंत्र है।

4. कृतिका (पूरक पाठ्य पुस्तक) में दी गई कहानियां पढ़िए तथा पुस्तक में ही पाठ के अंत में दिए गए प्रश्नों के उत्तर ढूंढ कर रेखांकित कीजिए।

### **परियोजना कार्य**

**विषय:-** भारत में स्थित किसी ऐतिहासिक स्थल पर घूमने जाएं तथा उसके बारे में संपूर्ण जानकारी एकत्रित कर सचित्र परियोजना तैयार कीजिए।

## MATHS

### **PROJECT WORK**

**TOPIC- COORDINATE GEOMETRY SPIROGRAPH/ 3D PATTERN ART**

Prepare a beautiful spirograph / 3d pattern art using coordinate geometry principles.

**(Refer to the instructions given by the subject teacher)**

## **SCIENCE**

### **PORTFOLIO WORK :-**

#### **BIOLOGY**

Students will prepare an interactive cartoon based comic strip to depict key concepts in cell biology in a fun and engaging way!

Kindly prepare as per the Roll.no based allocation.

Title: "The Adventures of Cellie and Orgo"

Roll No. 1-7

Comic Strip 1: Meet "Cellie and Orgo"

Panel 1: Introduce Cellie, a friendly animal cell, and Orgo, a quirky organelle.

Panel 2: Cellie explains the importance of each organelle in the cell.

Panel 3: Orgo, full of energy, eagerly volunteers to show Cellie around the cell.

Roll no.8 - 14

Comic Strip 2: The Cell Membrane

Panel 1: Cellie and Orgo approach the cell membrane.

Panel 2: Orgo describes the cell membrane's role as a barrier and gatekeeper of the cell.

Panel 3: They encounter a molecule trying to enter the cell, but the cell membrane regulates its passage.

Roll no.15 -21

Comic Strip 3: Inside the Cell

Panel 1: Cellie and Orgo venture into the cytoplasm.

Panel 2: Orgo points out various organelles like the nucleus, mitochondria, and endoplasmic reticulum.

Panel 3: They marvel at the bustling activity within the cell, with organelles working together like a well-oiled machine.

Roll no.22-28

Comic Strip 4: The Mighty Mitochondria

Panel 1: Orgo introduces Cellie to the mitochondria, the powerhouse of the cell.

Panel 2: They witness the mitochondria converting glucose into energy through cellular respiration.

Panel 3: Cellie thanks the mitochondria for providing energy to fuel the cell's activities.

Roll no.29-35

### Comic Strip 5: Cell Division

Panel 1: Cellie and Orgo observe the process of mitosis.

Panel 2: They see the cell dividing into two daughter cells, each with a complete set of organelles.

Panel 3: Cellie realizes the importance of cell division for growth and repair.

Roll no.36-42

### Comic Strip 7: The Grand Finale

Panel 1: Cellie and Orgo bid farewell to each other, grateful for their adventures and newfound knowledge.

Panel 2: Cellie promises to share what they've learned with their fellow cells.

Panel 3: As they part ways, Cellie looks forward to more exciting journeys in the world of cell biology.

OR

### **CHEMISTRY**

Draw Charts on any one of the following topics: Fractional distillation , Chromatography , Sublimation , Evaporation , Separation funnel , Distillation , Interconversion of states of matter. Read about at least five scientists and their contribution in SCIENCE and write at least 50 words on each scientist.

OR

### **PHYSICS**

Prepare a working model based on applications of Newton's laws.

## **SOCIAL SCIENCE**

1. Explain the process of slave trade in France. How was it abolished and win?

### **2.Map Work Instructions:**

- Use political maps.
- Maps must be neatly labelled and coloured.
- Practice and label the following map topics in your Geography notebook.

A) Mark all the 28 States and 8 Union Territories on the political map of India.

### **B) Chapter 1 – India: Size and Location**

- India and its neighbouring countries
- Tropic of Cancer ( $23\frac{1}{2}^{\circ}$  N), Standard Meridian ( $82\frac{1}{2}^{\circ}$  E)
- Southernmost point (Indira Point), Northernmost, Easternmost, Westernmost points of India.

C) On the map of France, locate and label the following places:

Paris, Nantes, Marseilles, and Bordeaux.

### **PROJECT—Topic: Disaster Management**

Prepare a detailed Project File on **any one** of the following topics:

### **Topics (Choose any one):**

a) Earthquake: Causes, Effects, Precautions

- b) Floods and their Management
- c) Droughts – Preparedness and Response
- d) Cyclones – Early Warning Systems
- e) COVID-19 Pandemic: Lessons in Disaster Management

**Instructions:**

- Use A4-size ruled sheets and decorate the cover page neatly.
- Project should be handwritten and include:
  - a) Introduction to the disaster
  - b) Causes and effects
  - c) Case study (recent Indian/International example)
  - d) Measures for preparedness and mitigation
  - e) Government and NGO initiatives
  - f) Conclusion and your learning
  - g) Include pictures, newspaper clippings, and diagrams where necessary.
  - h) Length: 12–15 pages

## **INFORMATION TECHNOLOGY**

1. Make a presentation on the following topic. Presentation should have at least five slides. First slide should contain information of the students. The presentation should be on the following basis:

**Roll No**

1-15

16-30

31 Onwards

**Topic**

Communication Skills

Digital Documentation

Electronic Spreadsheet

1. Spare some time and help your mother in household work. Talk to your parents and elders and learn values.
2. Adopt the habit of reading newspaper and learn new words and expressions.
3. Read at least two books (Hindi & English) apart from prescribed syllabus.
4. Respect flora and fauna (Plants and Animals). Keep your home and surroundings clean. Plant at least 5 saplings.
5. Keep water for birds and stray animals outside your house or in balcony.
6. Food is equal to God. So avoid wasting of food.
7. Try to share your knowledge and donate old books and notebooks to the underprivileged and deprived children of your locality.
8. Maintain a diary in English & Hindi and write your experience along with daily routine during summer break. It will help you in enriching your vocabulary and writing skills.

