



# NEW ERA PUBLIC SCHOOL, PATNA

(Affiliated to CBSE, Delhi, 10+2 level)

**Summer**

**VACATION HOLIDAY HOMEWORK (2026-27)**

CLASS: X

SUBJECT	HOMEWORK
English	<ol style="list-style-type: none"><li>1. Write the bio sketch of Nelson Mandela in 150 words.</li><li>2. Write the biography of Robert Frost in 150 words, along with his famous poem and photographs.</li></ol>
MATHS	<ul style="list-style-type: none"><li>• Complete Ex-10,11,13 &amp; 19 in fair copy &amp; Note Do notes of Vol &amp; S.A.</li></ul>
SOCIAL SCIENCE	<p><b>Geography</b>- write a short notes on 'Conserve Natural Resources' In 120 words.</p> <p><b>History</b> - Draw and label in a chart paper</p> <ol style="list-style-type: none"><li>1. Political Map of Europe (1815)</li><li>2. Write about otto von bismark.</li></ol> <p><b>Economics</b> – Prepare colourful project file on :- “Economic Development of India”</p> <p><b>Pol. Science</b> – Make a poster on “Unity in Diversity through Democracy”</p>

**SCIENCE**

**Physics** – Prepare all image formation conditions of concave and convex mirror and lens with neat ray diagram

**Chemistry** – Prepare a chart paper on types of chemical Reactions with examples and draw Labeled diagram of Electrolysis and pyrolysis.

**Biology** –

**1. Prepare a working model of respiratory system Or circulatory system**

**2. Answer the following questions :**

Q)Write the balanced chemical equation for photosynthesis.

Q)List the three key events that occur during photosynthesis.

Q)Where do plants obtain raw materials like CO<sub>2</sub>, water, and nutrients?

Q)Differentiate between autotrophic and heterotrophic nutrition, providing examples.

Q)What are the roles of HCl, pepsin, trypsin, and bile juice in human digestion?

Q)Explain how the small intestine is designed to maximize the absorption of food.

Q)Why is diffusion insufficient to meet the oxygen requirements of multicellular organisms?

Q)What is the role of stomata in plant respiration, and how are their openings/closings regulated?

Q)Draw a well-labeled diagram of the human respiratory system.How are alveoli designed to maximize gas exchange?

Q)Which chamber of the human heart has the thickest muscular walls and why?

Q)What are the differences between arteries and veins?

Q)Explain how water and minerals are transported in plants.

Q)Name the basic filtration unit in the human kidney.

Q)Describe how urine is produced and excreted in humans.

Q)What are the various ways plants get rid of their excretory products?

## HINDI

- पठित पाठ से संबंधित अभ्यास – कार्य पूरा करें।
- कबीर के साखी का भावार्थ लिखें।
- ईश्वर प्रेम संबंधी दोहों का संकलन तैयार करें।
- पदबंध की परिभाषा एवं प्रकारों को सोदाहरण लिखिए।
- कथानायक एवं बड़े भाई साहब के चरित्र से संबद्ध तुलनात्मक चार्ट तैयार करें।
- 'बड़े भाई साहब ' पाठ का मुख्य उद्देश्य क्या है?
- 'हरिहर काका' पाठ का सारांश लिखें।
- रचना के आधार पर वाक्य – भेद को सोदाहरण लिखें।

### Note:

1. The School will remain closed on account of Summer Vacation from 25.05.2026 (Monday) to 20.06.2026 (Saturday)
2. It will re-open on on 22.06.2026 (Monday)
3. You also get HOLIDAY HOMEWORKS from school website: -  
[www.newerapublicschoolpatna.org](http://www.newerapublicschoolpatna.org)

NEW ERA PUBLIC SCHOOL

Happy Summer vacation

