

ALPHA INTERNATIONAL SCHOOL, NOORSARAI, NALANDA

SUMMER VACATION HOME WORK

Students Name _____ Class 7th Roll No _____

Hindi

1. अपनी मातृभाषा के महत्व पर एक निबंध लिखें ।
2. सम्राट मुंशी प्रेमचंद के व्यक्तित्व पर निबंध लिखें ।
3. वसंत ऋतु पर एक हरी – भरी कविता लिखें ।
4. अपनी पुस्तक से पढ़ाये हुए पाठ से 50 शब्दार्थ लिखें ।
5. किन्हीं 20 मुहावरे एवं उनके अर्थ को लिखें ।
6. किन्हीं 10 कवियों एवं 10 लेखकों का नाम की सूची अपने चार्ट पेपर पर बनायें ।
7. दोहा और चौपाई में अंतर स्पष्ट करें ।
8. अपने पाठ्य- पुस्तक की रचित किन्हीं 10 दोहे या चौपाई लिखें ।
9. निम्नलिखित पर एक – एक अनच्छेद लिखें –
 - a. नारी शिक्षा
 - b. दहेज प्रथा
 - c. विद्यार्थी जीवन
 - d. अनुशासन
10. प्रति दिन एक-एक पेज सुलेख लिखें ।

दिये गये सभी प्रश्नों के उत्तर सुंदर एवं साफ अक्षरों में लिखें ।

Mathematics

1. Solve the question of chapter 1 to 4 of your book one to one question.(make 150 Math)
2. Write 20 definition related to mathematics
3. Write 20 formula of Math

Science Project

1. Show photosynthesis process with household materials.
2. Show the structure of stomata.
3. Water Filter Project: Building a simple water filter using household materials.
4. Electricity Generation from Fruits
5. Solar System Model: Creating a scale model of the solar system to show the orbits and relative positions of planets.
6. Simple Circuit Materials: A battery, a light bulb, some wires, and a switch (optional).
7. Plant Growth Experiment.
8. Paste any three pictures of desert animals.
9. Write a short note sir Issac Newton paste picture.
10. Paste any three pictures of in sectivores plants.
11. Make a Simple Electromagnet: Create an electromagnet using a nail, insulated wire, and a battery. Explore how wrapping more coils of wire affects its strength and ability to attract small objects like paper clips.
12. Build a Solar Oven: Construct a solar oven using a cardboard box, aluminium foil, and plastic wrap. Test its ability to harness solar energy by cooking marshmallows or melting chocolate.
13. Study Plant Growth: Investigate factors affecting plant growth. Plant seeds in different conditions (varying light, water, or soil types) and observe and record their growth over a few weeks.
14. Explore Density: Experiment with the density of liquids. Layer different liquids (like oil, water, and syrup) in a clear container and observe how they stack based on density. Discuss why certain liquids float or sink
15. Create a Water Filtration System: Design and build a water filtration system using materials like sand, gravel, and activated charcoal. Test its effectiveness by filtering dirty water and discuss the importance of clean water.
16. Make a Model of the Solar System: Create a scale model of the solar system using craft materials or Styrofoam balls. Label each planet and discuss their characteristics, orbits, and relative sizes.
17. Study Light and Shadows: Use a flashlight and objects of different shapes to explore how shadows are formed. Investigate how the position of the light source affects the size and s shape of shadows

ENGLISH -

1. Write any five poems in beautiful handwriting.
2. Write down 50 verbs and their meanings started with A. (Take help from Dictionary)
3. Write essays on the following topics:
 - a) Drought
 - b) Flood
 - c) Summer Vacation
 - d) My School
 - e) Our state Bihar
 - f) Cricket
 - g) Our Country India
 - h) My Favourite Hobby
 - i) My Dream Job
 - j) The Importance of *Education*
 - k) Friendship
4. Write biography on the followings:
 - a) Albert Einstein
 - b) Gautam Buddha
 - c) Mahatma Gandhi
 - d) Marie Curie
 - e) Sir Isaac Newton
 - f) Nelson Mandela
 - g) Betty Ford
 - h) Ratan Tata
 - i) Elon Musk
 - j) Jeff Bezos
 - k) Nikola Tesla
5. Make tree ~~to~~ show 15 ~~Preposition~~ *kind of Adjectives*