

ALPHA INTERNATIONAL SCHOOL, NOORSARAI, NALANDA

SUMMER VACATION HOME WORK

Students Name _____ Class 8th 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. किन्ही 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. Make a project Crop Production and Management Methods
 1. Preparation of Soil.
 2. Sowing of Seeds.
 3. Addition of Manure and Fertilizers.
 4. Irrigation.
 5. Protection from Weeds.
 6. Harvesting.
 7. Storage.
2. Water Filtration System: Design and build a water filtration system using materials you can find around your house.
3. Bread Mold Experiment.
4. Nitrogen Fixation project. How rhizobium bacteria uses atmospheric nitrogen.
5. Make a chart of communicable diseases in the human body.
6. Projects on fungi involve learning about their structure, classification, and various roles in nature and human life.
7. Projects on algae, their types and structures.
8. Paste a picture of Prof. MS. Swaminathan and write a short note.
9. Show a project on rain water harvesting.
10. Show different traditional methods of irrigation in India.
11. Make a Paper Airplane: Experiment with different designs of paper airplanes to explore aerodynamics. Test which design flies the farthest or stays in the air the longest
12. Grow Bean Sprouts in a Jar: Germinate bean seeds in a clear jar with wet paper towels or cotton balls. Observe the stages of seed germination and root development over several days.
13. Exploring Surface Tension with Paper Clips: Fill a bowl with water and observe surface tension by carefully placing paper clips on the water's surface. Experiment with how many paper clips can be added before the water breaks the surface tension.
14. Create a Rainbow with a Prism: Use a glass prism (or even a CD) to separate white light into its component colours. Hold the prism up to sunlight and observe the rainbow spectrum
15. Make a Simple Electromagnet: Wrap a copper wire around a nail and connect the ends to a battery. Test the magnetism of the nail by picking up small metal objects like paper clips.
16. Build a Sundial: Use a stick and a piece of cardboard to create a simple sundial. Place it outdoors and track the movement of the sun's shadow throughout the day
17. Floating Egg Experiment: Dissolve salt in water until an egg floats. Explore density and buoyancy by adding salt gradually to see how it affects the egg's position in the water
18. Homemade Baking Soda and Vinegar Volcano: Create a classic volcano eruption using baking soda and vinegar. Build a volcano shape with clay or playdough, then add the ingredients to observe a chemical reaction.
19. DIY Cartesian Diver with a Straw: Use a plastic straw, water, and a paper clip to make a Cartesian diver. Squeeze the bottle to see how pressure affects the diver's buoyancy

Social Science

SECTION A: HISTORY

1. Project Work – Indian Freedom Struggle / Revolt of 1857

Prepare a project (5–6 pages) including:

- Causes of the revolt
- Major leaders & events
- Outcome and significance
- Pictures/maps and bibliography

SECTION B: GEOGRAPHY

2. Map Work – Agriculture & Resources

On a political map of India:

- Mark 5 states with their major crops
- Mark 5 key mineral resources and their locations
- Use proper color codes and legends

3. Travel Report or Virtual Tour

Write about any place you visit OR take a virtual tour of a monument (like Qutub Minar, Hampi, etc.).

- Include its historical/geographical significance
- Add drawings, photos, or a short video link (optional)

SECTION C: CIVICS

4. Mini Booklet – Our Constitution

Make a booklet or poster including:

- Fundamental Rights and Duties
- Why they are important
- Creative elements like drawings or slogans

SECTION D: GENERAL TASKS

5. Current Affairs Diary (Weekly)

Maintain a journal for 4 weeks:

- Write 2 important news items per week
- Add the event summary + your opinion

6. Interview Report – Then vs. Now

Interview an elder and compare their childhood life with yours.

- Schooling, festivals, lifestyle, etc.
- Write 1–2 pages and include pictures if possible

7. Timeline Chart – Indian History (1757–1947)

- Choose 10 major events
- Make a visual timeline with years, event names, and notes

8. Chapter Reading & Summary

Choose any chapter from History/Geography/Civics:

- Write a 200–250 word summary
- List 5 new words with meanings

9. Watch & Review

Watch an educational documentary (History TV18, Nat Geo, etc.):

- Title: _____ - Summary (150–200 words):
- What you learned & liked

10. Create a Quiz

- Prepare a 10-question quiz on any SST topic
- Include answers on a separate page

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 ~~and~~ *to* show ~~15~~ *Preposition* *kinds of Adjectives*.