



Bal Bharati
PUBLIC SCHOOL
NAVI MUMBAI

SUMMER HOLIDAY HOMEWORK 2025-26

CLASS 9

Theme: The Fab Five

In Indian culture, the number 5 holds significant symbolic importance. It is associated with the five fundamental elements (earth, water, fire, air, and space), the five senses (sight, smell, hearing, touch, and taste), and the five-faced form of Lord Shiva, Panchkarma in Ayurveda, and the five-member committees in Panchayats, which are important for governance and decision-making.

In many Western cultures, 5 is seen as the number of humanity — with five fingers, five toes, and five senses. It represents human perfection, because a man with outstretched arms and legs forms a pentagon with the head "dominating the four limbs, just as the spirit commands the quaternary of elements"

5 is an odd number in the number system. 5 is the one and only prime number that has a sum of two consecutive prime numbers ($2 + 3$). 5 is a prime number that ends with 5 in one's place as well.

Numerologically, it's associated with Mercury and can symbolize intelligence, adventure, freedom, good communication skills, balance and harmony.

Considering the prominence of this number across various traditions, it serves as an excellent theme for further exploration in our Holiday Homework.

Last date of submission (All Subjects): 10 June, 2025

ENGLISH

The five elements of nature—Earth, Water, Fire, Air, and Space—are fundamental forces that shape our world and existence. Rooted in ancient philosophies, they symbolize balance and interconnectedness in nature.

- **Earth** represents stability and nourishment, providing a foundation for life.
- **Water** signifies adaptability and fluidity, essential for sustaining all living beings.
- **Fire** embodies transformation and energy, driving growth and change.
- **Air** stands for movement and communication, spreading life-giving oxygen.
- **Space** (or Ether) symbolizes openness and infinity, holding everything together in harmony.

Haiku is a traditional form of Japanese poetry that captures fleeting moments of nature, emotions, or observations in just three lines. Haiku often embraces simplicity and depth, using vivid imagery to

evoke a sense of serenity or introspection. It reflects the beauty of the present moment, offering a window into the essence of life with just a few carefully chosen words.

A classic example:

*"An old silent pond—

A frog jumps into the pond,

Splash! Silence again."*

— Matsuo Bashō

Compose a haiku on *five* elements of nature and depict the same through beautiful illustrations.

Materials to be used: A-4 sheets, Colours, Paints. The project is to be filed and submitted with a proper cover page comprising your name, class section and subject.

HINDI:

अवकाशकालीन गृहकार्य

'सर्वश्रेष्ठ पाँच' इस विषय के अंतर्गत कई पाँच तत्व समाहित होते हैं। अपने हाथों की पाँच उंगलियाँ अपनी-अपनी विशेषताओं से सर्वपरिचित हैं। इन्हीं पाँच उंगलियों के नाम हिंदी में बताकर उंगलियों से संबंधित हस्तरेखा विज्ञान की जानकारी चित्र द्वारा प्रस्तुत करते हुए ए ४ आकार के कागज़ पर प्रकल्प तैयार कीजिए।

विशेष सूचना : प्रकल्प कार्य के अंतर्गत प्रत्येक जानकारी जैसे - नाम, अनुक्रमांक, कक्षा, विभाग एवं शीर्षक हिंदी में लिखना अनिवार्य है।

SANSKRIT

संस्कृतस्य कस्यापि पञ्च महाकाव्यस्य नामानि लिखित्वा एकस्य महाकाव्यस्य संक्षेपेण वर्णनं कुरुत । तथा च विषय-वस्तु अनुसारेण एकं चित्रं संलग्नं कुरुत । [USE A4 SIZE PAPER]

MARATHI

मराठी साहित्यातील पाच सुप्रसिद्ध स्त्री साहित्यिक यांच्या बदल माहिती जमा करा, त्यांच्या प्रसिद्ध साहित्याची नोंद करा, नोंदवही सचित्र असावी .(उदाहरणार्थ - शांता शेळके) [USE A4 SIZE PAPER]

MATHS

Construct a Square Root Spiral with the square root of the "*First Five*" Prime Numbers on an A4-sized paper.

Use your imagination and creativity to show this spiral as a part of anything that is seen in nature.

Submit the holiday homework in a file with a suitable cover page mentioning the title of the project, your Name, Roll Number, Class and Section.

SCIENCE

Biology:

Create a visual timeline of remarkable discoveries and inventions by *five* scientists in the field of cell biology .

Use chart paper and markers to create a timeline with events . Add pictures or small illustrations to represent the key moments in the history of cell biology.

Physics:

"Motion is a part of our everyday life, from the smallest movements to the fastest speeds. Explore these *five* real-life applications of motion to understand how physics shapes the world around us!"

Create artistic versions of these graphs on chart paper:

1. Distance-Time Graph for Uniform Motion
2. Distance-Time Graph for Non-Uniform Motion
3. Velocity-Time Graph for Uniform Acceleration
4. Velocity-Time Graph for Uniform Retardation
5. Distance -Time Graph for object at Rest.

(Make the graphs colorful — use sketch pens or crayons. Add small stick figures, cars, or objects beside the graph lines to make it creative.)

Chemistry:

Prepare a creative project on *five* fabulous facts/concepts about atoms, It should include:

1. Discovery of Atom.
 2. Structure of Atom (Protons, Neutrons, and Electrons – basic idea)
 3. Atomic Models (Thomson's model, Rutherford's experiment)
 4. Atomic Number and Mass Number
 5. Isotopes and Isobars (Definitions, examples like Carbon-12, Carbon-14)
- (Project to be done on A4 sheets)

SOCIAL SCIENCE:

Disaster Management Project

Topic: Furious Five: Five Elements of Nature

The Earth is a unique planet known for its precious life. Various disasters caused by nature pose significant threats.

Disasters result in widespread destruction and loss of life and property.

Prepare a project on disaster caused by any one element of nature in India, along with mitigation strategies to prevent such disaster in future.

Instructions:

Project should be *hand written*

A-4 size sheet (Not more than 7 pages)

Cover page: School name and logo, Project Name, Student name, Class/Sec, Roll no, Subject, Session

Content: Introduction and five case studies.

Collage

Bibliography

COMPUTER

Students will research and present a timeline infographic on ***five significant Inventors in Computing*** showcasing their achievement in ascending year wise manner.

Choose a Tool: You can use Google Slides, Canva, Microsoft PowerPoint, or any other timeline-making tool you prefer.

Research the Inventors: Find key information about each inventor:

- Full name
- Birth and death dates
- Major invention(s)
- Important milestones or achievements

Organize Chronologically: Arrange the inventors and their major accomplishments in the correct order according to when they occurred in history.

Design Your Timeline: Include dates, a short description, and a picture for each inventor.

Submission:

- Save as PDF
- Submit in your respective google classroom for computer.

ART : Poster making

Create a painting on *five* elements of ATR or Nature

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