

DEFENCE Affiliated to CBSE **PUBLIC SCHOOL**

SUMMER HOLIDAY HOMEWORK (2026-27)

Class -VI

English

Theme: India First – A Rising Nation

When we look at India today, we feel proud to see how far our country has come. From the successful space missions of Indian Space Research Organisation to the achievements of Indian players in different sports, India is shining brightly in the eyes of the world. Every time our flag rises high at an international event, it fills our hearts with joy and respect for our nation.

India is also growing stronger in technology and economy. New inventions, digital progress, and growing industries are changing people's lives and creating a better future. Better roads, metro systems, airports, and modern trains are making travel easier and connecting people across the country like never before.

These achievements remind us that India is not just developing—it is inspiring the world with its hard work, talent, and determination. As young citizens of this great nation, we should feel proud and also dream of contributing to India's bright future.

“Proud to be Indian”

Q1. Describe one real moment you saw this year that made you proud of your country.

You may write about:

- *A sports victory
- *A scientific achievement
- *A cultural event
- *An improvement in your city or country
- *Any inspiring news or personal experience

Instructions:

- *Write in 120–150 words
 - *Add a suitable title
 - *Draw or paste one related picture
 - *Mention why that moment inspired you
- “Together We Rise, Together We Shine.”

Science

“India First” means putting our country’s progress above all, and science has helped India grow strong since 1947. Right after Independence, India built its first big projects like the BhakraNangal Dam and started ISRO in 1969 to reach space. In 1975, we launched our first satellite Aryabhata, and in 1984, Rakesh Sharma became the first Indian in space. India made its own supercomputers like PARAM, developed vaccines for the world, and built nuclear power plants for clean energy. Recently, Chandrayaan-3 made history by landing on the Moon’s south pole in 2023, and Mangalyaan reached Mars in just one attempt. From sending satellites to making medicines, India’s scientists have shown that when we think “India First”, we can achieve anything. These achievements make every Indian proud and inspire students to dream big for our nation.

Keeping the above information in mind, students may take the help of elders, newspapers, the internet or other reliable sources to find answers to the following questions in project file and also paste pictures related to it:

1. When was ISRO started and why was it important for India?
2. Name the first Indian satellite and the first Indian to go to space.
3. What is PARAM? How did it help India become strong in science?
4. Which two space missions made India proud recently? Why are they special?

Instructions:

Write answers in your own words. You can draw *ISRO logo, Chandrayaan-3, or BhakraNangal Dam etc.

Mathematics

“India First” today means using maths to make our country strong and modern. India is now one of the fastest growing countries in the world because of maths and technology.

Indian mathematicians work with computers to build AI, apps, and UPI payments that we use daily. In 2023, India became the first country to land Chandrayaan-3 on the Moon’s south pole. Scientists used maths to calculate speed, distance, and fuel – \$3,84,000\$ km journey planned perfectly!

India is also first in making digital payments. Every day, crores of people use PhonePe, GPay, or Paytm to send money. This works on maths of codes, encryption, and large numbers.

From Aryabhata’s zero to today’s Chandrayaan, India shows that Maths helps us lead. When we study Maths well, we also help our country become “First” in the world.

Based upon the given information Solve the given problems:

1. Chandrayaan-3 Distance

Chandrayaan-3 travelled \$3,84,000\$ km to reach the Moon.

- Write this number in words using the Indian number system.
- What is the place value of the digit 8 in this number?

2. UPI Payments

If 50 crore people in India use UPI daily and each person makes 2 payments on average:

- How many total UPI payments happen in 1 day?
- Write your answer in the International number system.

3. Digital India Data

In a city, 12,50,000 people use PhonePe, 8,75,000 use GPay, and 3,25,000 use Paytm.

- Find the total number of digital payment users.
- Which app has the most users and by how much?

Instructions: Draw a rocket, mobile phone with UPI.

Social Science

Project title : Bharat : The world's new pathmaker.

India is creating a benchmark by building the world's largest renewable energy parks to fight climate change. We are helping the world move from "Dark Smoke" to "Bright Sunshine."

Activity: The " Sun powered map".

On the map of India, locate any five states where good work is being done in solar energy or other renewable energy sources. Name the states and mention one type of renewable energy used in each (like solar, wind, or hydro).

Then , write a short paragraph explaining about the importance of renewable energy.

Hindi

विश्व में भारत द्वारा प्राप्त की गई गौरवपूर्ण उपलब्धियों का सचित्र चार्ट बनाते हुए उन्हीं उपलब्धियों को ध्यान में रखते हुए 10-12 पंक्तियों में कविता लिखिए।

Sanskrit

1. भारत किन-किन क्षेत्रों में श्रेष्ठ प्रदर्शन कर रहा है, इस विषय पर संस्कृत में एक सुंदर चार्ट बनाइए।
2. "प्रथम स्थान" विषय से संबंधित दस शब्द संस्कृत में लिखिए।

Computer

Explain and create pictorial representation of the three fundamental concepts of Machine Learning in the project file.

Make it neat, creative, and easy to understand.

Happy Learning! 😊

Skill-Based Activity: Home Kitchen Garden

Prepare a home kitchen garden- "Work with life forms"

For Project File – Answer based on your activity

1. Planning Your Garden

Which 3 plants did you grow in your kitchen garden? Make a table with their names, number of days to sprout, and one use of each plant.

2. Life Forms & Care

During your project, which insects or worms did you see in the soil? Were they helpful or harmful for plants? Write how you took care of them without killing life forms.

3. Water Conservation

How many mugs of water did you use daily for your plants? Write 2 ways you saved water while keeping your plants healthy.

Instructions for Project File:

- Add photos/drawings of your kitchen garden

Note:- The above mentioned assignment to be done in the project file.

Prepare well for the 50 marks PT1 to be held in the month of July.