



**TAGORE INTERNATIONAL SCHOOL
VASANT VIHAR, N. DELHI**

**HOLIDAY HOMEWORK – (2019-20)
CLASS VI**

Summer Vacation is synonymous with getting up late in the morning, playing for longer hours with friends, going for picnics, exploring new places, watching fun filled shows on television, a great time to bond with family, visit exotic places, celebrate with friends- in short, a lot of fun moments. Along with rejuvenation, it is also a time to activate your spirit of creativity and zeal of exploration. So, learn at least one new activity. It could be an instrument, sport, art, music, dance, language or any other thing of your interest.



ISRO's Journey into Space: Turning Miles into Milestones!

“Have courage to think differently, courage to invent, to travel the unexplored path, courage to discover the impossible and to conquer the problems and finally succeed.”

Dr A P J Kalam- Project Director with ISRO in 1969

Every approach, every distant reach into space is a result of years of hard work. The Indian Space Research Organisation, or ISRO, has been India's flag bearer in the global space exploration community.



In 1963, in the midst of a coconut grove, where a catholic church served as the base center, the first Indian rocket took off from a newly launched station in a small village called Thumba.

The American Nike Apache that left the Indian soil vanished into thin air with a glowing tail that was visible from places far afield.

This modest yet historic launch of India's first rocket heralded the beginning of a long journey that established India as a space power and a rocket making nation. India now makes its own satellites and rockets specialized in weather, earth observation, communication and remote sensing.

ISRO's achievements are something Indians should be proud of. ISRO is a story of change, a story of strength, a story of a time when India performed and the world stood up to applaud!

The theme of your holiday homework is 'ISRO's Journey Into Space'. Design a calendar as per the guidelines given for each subject category excluding English.

SCIENCE

To the moon and Beyond...

ACTIVITY- I

If you had to design a new logo for ISRO, what would it be? Draw it on the cover page of your calendar.

Illustrate any four major achievements of ISRO on your calendar pages in a creative way. You are free to choose any four months in your calendar for the same.



Step 1. As per the achievement of ISRO(Launch of a satellite) select the date and month on your calendar.

Step 2. Mark or highlight them in a creative way.

Step 3. Draw or cut out and paste images related to space or satellite, for eg. an astronaut.

Step 4. On each image, write the name of the satellite and its purpose, using a bold marker.

Step 5.Highlight the importance of each achievement in the growth and development of our nation.



You will be assessed on:

1. Research : 2 marks
2. Creativity and presentation : 2 marks
3. Spelling / Grammar : 2 marks
4. Oral Presentation : 2 marks
5. Timely submission : 2 marks

SOCIAL SCIENCE

ACTIVITY-II

On the same calendar, represent the milestones in the journey of ISRO from 1963 to 2019 in the form of timeline or creative bubble infographic. Use the last two pages of your calendar for the timeline.

You will be assessed on:

- 1 Research : 2 marks
- 2 Creativity and presentation : 2 marks
3. Spelling / Grammar : 2 marks
4. Oral Presentation : 2 marks
5. Timely submission : 2 marks

HINDI



अपनी खोज बीन से भाषा तथा विज्ञान के मेल को दिखाते हुए एक ऐसे तिथिपत्र (कैलेंडर)का निर्माण कीजिये जो भारतीय अंतरिक्ष अनुसंधान संगठन (ISRO)के इतिहास में महिला सशक्तिकरण को प्रदर्शित करता हो। इसमें उन महिलाओं का वर्णन रचनात्मक तरीके से कीजिये जिन्होंने इसरो के इतिहास की रचना में अपना योगदान दिया।
या



भारतीय अंतरिक्ष अनुसंधान संगठन (ISRO) द्वारा की गई खोज तथा उपलब्धियों के आधार पर अपने तिथिपत्र (कैलेंडर) में अंतिम ४ माह की शब्दावली तैयार कीजिए।

मूल्यांकन बिंदु

१ रचनात्मकता ३ अंक

२ विषय वस्तु ३ अंक

३ भाषा शुद्धता ३ अंक

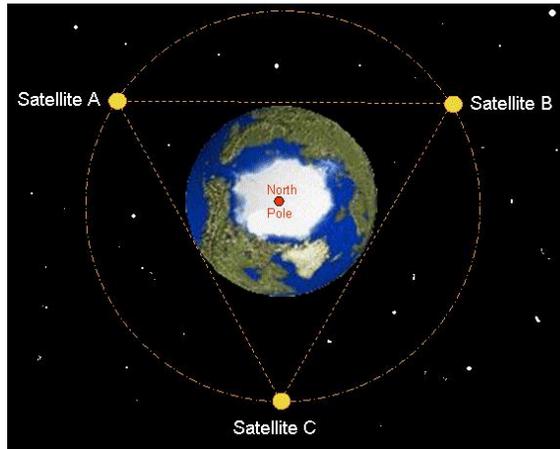
४ प्रस्तुतीकरण १ अंक

MATH

For any one month

The "Three Satellites" problem

Given below is a picture of three satellites orbiting the Earth over the equator. They are equally spaced around a circular orbit. In the picture you can see the north pole of the Earth, with the equator running around the edge of the earth's disk. In order that any point on the equator is visible by at least one satellite, their positions form an equilateral triangle.



- ❖ Create a similar picture on your calendar page for the month of April.
- ❖ Keep the radius of outer circle (orbit) 5 cm .
- ❖ Keep the radius of the inner circle (Earth) 3 cm .
- ❖ Show the three equally spaced satellites on the outer orbit creating an equilateral triangle .

For any second month

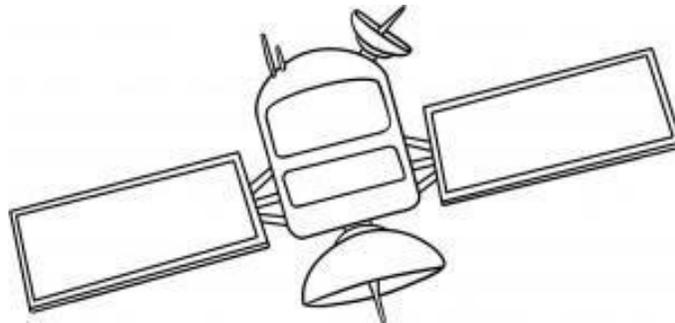
Create a bar graph on the calendar page using the data given below on different satellites launched by ISRO .

Name of the Satellite	Date and year of launch	Weight of the satellite in kg (app)
GSAT - 31	6 Feb 2019	2500
GSAT - 29	14 Nov 2018	3400
GSAT - 17	29 June 2017	3500
GSAT - 19	05 June 2017	3100
GSAT - 18	06 Oct 2016	3400

For any third month

What shape should be my satellite ?

On the calendar page of June, create a picture of your own satellite using any four geometrical shapes.



You will be assessed on:

Accuracy : 2 marks

Labelling : 2 marks

Following directions : 2 marks

Neatness : 2 marks

Timely submission : 2 marks

ENGLISH

READING IS DREAMING WITH OPEN EYES

For this summer, we have jotted down the names of some interesting books. Enjoy reading them!

RECOMMENDED READING LIST: The first book is mandatory and you can choose any one of the other three options.

1. A BOY AND HIS DREAMS: THREE STORIES FROM THE CHILDHOOD OF DR. APJ KALAM

These three stories from the childhood of India's former President, from the little island town of Rameshwaram, are sure to inspire the children of today.

2. FASCINATING FOLKTALES OF INDIA and STORIES FROM INDIAN MYTHOLOGY by SWAPNA DUTTA

These are interesting collections of Indian folktales, that acquaint the children with rich Indian values and culture

3. MALGUDI DAYS: by R.K.NARAYAN

Malgudi Days, originally published in 1943, is a wonderful collection of short stories set in the fictional South Indian town of Malgudi.

4. THE WISDOM OF MULLA NASRUDDIN by SHAHRUKH HUSAIN

This collection of interesting tales is from a small town somewhere in the Middle East where Mulla Nasruddin lived.

Daily reading of the newspaper is strongly recommended.

Write a long composition in about 200 words on the following topic

TOPIC: THE INFLUENCE OF MY FAVOURITE BOOK ON ME.

Your composition will be assessed on -

1. Adherence to the topic and originality -3 marks
2. Vocabulary and expression(including punctuation) - 3 marks
3. Content and fluency of language- 3 marks
4. Timely submission- 1mark

NOTE: Write your composition on a ruled punched sheet only.

Places to Visit

Delhi is home to some of the nation's best museums. It also boasts of dazzling art galleries and theatre performances that reflect the rich cultural heritage of our nation. Make the most of your summer vacation by visiting at least one museum, watching one theatre performance and one dance/ music performance positively during the break.

Save the entry ticket which will be collected by your class teacher. This exploration activity will carry 5 marks.

Suggested Places to Visit

- National Museum
- National Handicrafts and Handlooms Museum
- National Rail Museum
- Shankar's International Dolls Museum
- National Philatelic Museum
- National Gallery of Modern Art
- Nehru Planetarium
- Delhi Zoo
- Any village nearby

You can also watch live performances in some of the leading theatres like Shri Ram Centre for performing arts, Kamani Auditorium, Akshara Theatre etc.

You may also visit Samskrita Bharti

[Address](#): 25, Pandit Deen Dayal Upadhyay Marg, Rouse Avenue, Mata Sundari Railway Colony, Mandi House, New Delhi, Delhi 110002

(संस्कृत पुस्तकें, शब्दकोष तथा संस्कृत साहित्य की कथाओं, सी.डी इत्यादि हेतु भ्रमणावश्यक है)