



Banyan Tree School

Chandigarh

Holiday Assignment

Summer 2022-2023

Class: v

Holidays gives our children an opportunity to learn at their own comfortable pace with their first and most beloved teachers, their **PARENTS**. In a bid, to assist you in making their informal learning more organised, useful and enjoyable , We have planned a Vacation Home Work that will engage your ward in some concrete learning process. The intent is to promote not only academic learning but also activities which can gradually become hobbies.



The planets in their Galaxy, brightly dotted stars I see.
In a pattern one by one, revolving fast around the Sun. While the
Earth is spinning, I stay firmly on the ground. Gravity keeps me
in place, As I spin around in Space

THEME: THE EARTH AND BEYOND

Dear Students,

The theme of your holiday homework assignment is **THE EARTH AND BEYOND!**

“When you look at the stars and galaxy, you feel that you are not just from any particular piece of land, but from the solar system”

Kalpana Chawla

General Instructions:

- Complete all the activities during the vacation
- All the work should be hand written
- Original drawings/illustrations and creative use of materials will be appreciated
- Parents are requested to just guide their wards to complete the tasks on their own.
- Relax, Enjoy, have lots of fun and come back refreshed!!!



EXCITING ENGLISH

ACTIVITY 1: My little book of a new planet

- Imagine you have discovered a new planet. Prepare a mini book to describe how it would look like, the name that you would like to give, the distance from the earth, the weather, the most exciting thing that you noticed about the planet and is it possible for people to visit the place for vacations etc.?

ACTIVITY 2:

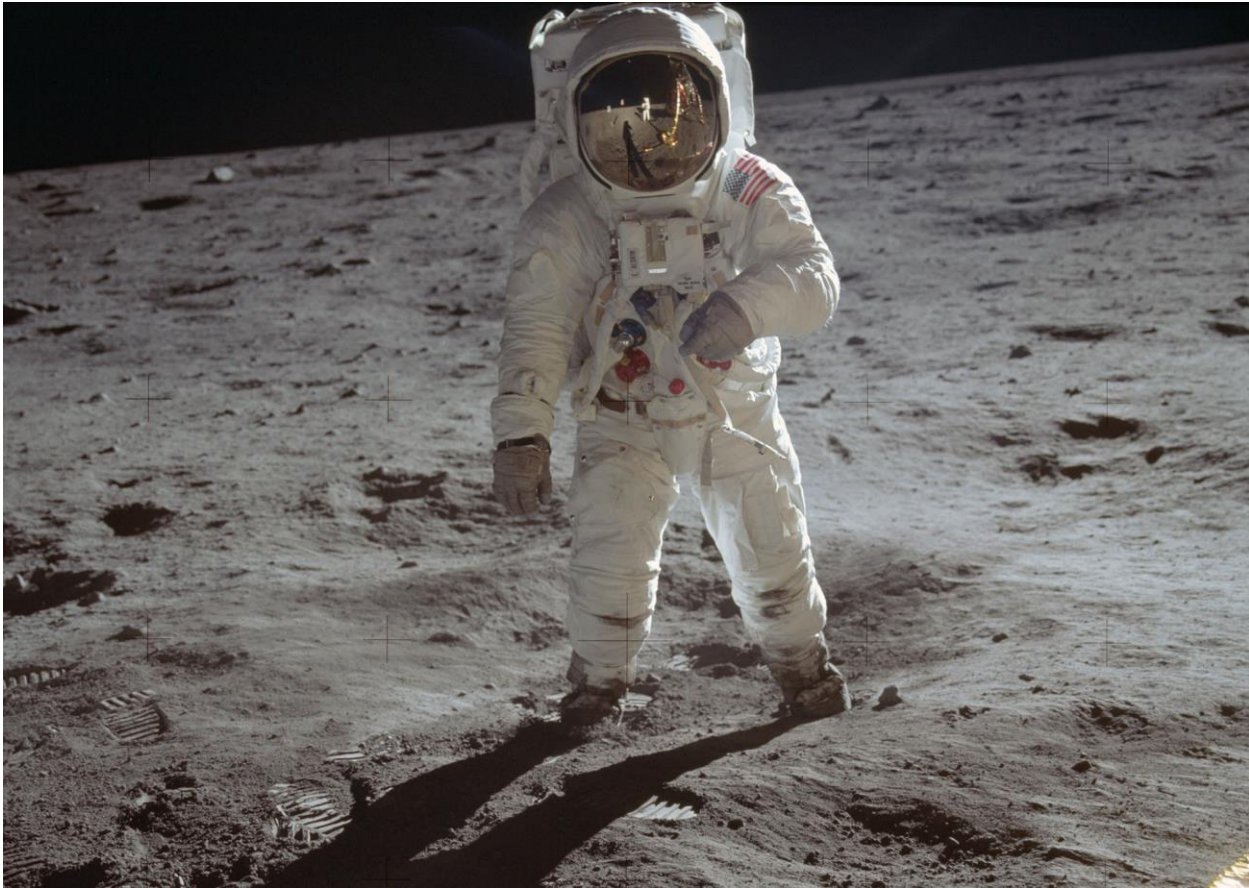
Enjoy reading the Unseen passage and let your brain do some storming for answering the questions:

A Soviet cosmonaut became the first man in space in 1961. Yuri space flight was dangerous, but his Vostok 1 spacecraft protected him from the hazards of space. Almost five years later, another Soviet cosmonaut would become the first man in space, outside of a spacecraft. Alexei Leonov performed the first spacewalk in 1965. Leonov's spacewalk proved that a person could survive in space, outside of a spacecraft. Today, astronauts and cosmonauts use spacewalks to perform all sorts of tasks.

The first Americans walked in space a few months after Leonov did. Americans and Soviets had proven that they had the technology to keep a man safe, even if he exited his spacecraft. This was no simple task. There is no air to breathe in space, so a space suit must have its own air supply. There are other dangers too. Temperatures can be less than -100 degrees Fahrenheit, or they can soar to 500 degrees Fahrenheit. Without a space suit, an astronaut would freeze to death, or bake to a crisp. Another danger comes from cosmic radiation.

The Sun and other celestial objects emit radiation that can be very harmful to humans. On Earth, the atmosphere blocks much of the dangerous radiation. Floating outside of a spaceship, an astronaut's only protection comes from a space suit. It is like a mobile, personal habitat. Today, astronauts have to perform repair missions and close inspections that cannot be done from inside of a spaceship. Some of the most useful spacewalks repaired the Hubble Space Telescope. In 1990, NASA launched the Hubble into Space. It was supposed to be the most powerful telescope ever launched into orbit but it was broken. During several spacewalks, astronauts repaired the Hubble's faulty mirror. After the repairs, the telescope worked better than scientists had hoped.

The Hubble success proved that astronauts could safely perform complicated tasks during a spacewalk. It takes a lot of technology to keep a person safe in space. It takes even more to keep someone safe in space during a spacewalk. Space suits have proven that they can do more than just keep people safe. They give astronauts a portable air supply, regulate temperature, and allow them to complete complex tasks, all while floating through space.



Answer the following questions: -

A a). What did Leonov's spacewalk prove?

.....
.....

b). Staying safe in space was not an easy task. What are the hazards that one faces over there?

.....
.....

c). Who launched the most powerful telescope? What was it called and what qualities did it have?

.....
.....

d). What is spacewalk? Why is it required?

.....
.....

B. Name the following: -

a. A mobile, personal habitat for astronauts:

b. A trained person who works in space:

C. Explain the given phrases: -

a. freeze to death:

b. baked to crisp:

D. Construct meaningful sentences with the words given: -

Essential.....

Mission.....

dangerous.....

ACTIVITY :3 Reading is fun!!

One is never alone, when one is with books. Sitting in your room with your books, you could go off to faraway places, meet all kinds of people, animals, birds and even fairies. What A fun!!



Reading will teach you many new words.

Read books to discover lot of new things!

Choose one book, read it during vacations and do the given follow up activities.

Read a book of your choice and do the given follow up activities:

- Story by Roald Dahl
- Harry Potter series
- Jungle book

All about my favourite character

- Draw your favorite character
- Pick out 15 new words you have come across in your story book
- Write the meaning of these words and make one sentence each.

Criteria for evaluation: originality, creativity, content, spellings, grammar

MAGICAL MATHEMATICS

EARTH, OUR HOME PLANET, is a world unlike any other. The third planet from the sun, Earth is the only place in the known universe confirmed to host life. With a radius of 3,959 miles, Earth is the fifth largest planet in our solar system, and it's the only one known for sure to have liquid water on its surface. Earth is also unique in terms of monikers. Every other solar system planet was named for a Greek or Roman deity, but for at least a thousand years, some cultures have described our world using the Germanic word “earth,” which means simply “the ground.

ACTIVITY:1

Every planet has its own satellite. Just like Earth has moon, other planets have their moons and in various quantity. Make a pictograph from the data given below:



KEY: (Each picture stands for two moons) =2 moons

S.NO	PLANET NAME	NO. OF SATELLITE
1	Uranus	27
2	Neptune	13
3	Jupiter	53
4	Mars	2
5	Earth	1

ACTIVITY :2 Diameter differences of planets.

Find the estimate of the diameter given below to the nearest ten, hundred, thousand and present in the form of table on A3 size sheet.

Paste or draw relevant pictures to make the sheet attractive.

Mercury: 4880 km

Venus: 12104 km

Earth: 12756 km

Mars: 6788 km

Jupiter: 142740 km

ACTIVITY :3 Distance between our planets.

The distance between planets will vary depending on where each planet is in its orbit around the sun. Sometimes the distance will be closer and at other times they will be farther away.

1. The average distance between the Earth and the Mercury is 569741 miles. Put commas as per Indian and international value system in the given number and also write the number name in both systems.

The average distance between the Earth and the Venus is 25,724,767 miles. Estimate the given number to the nearest 10, 100 and 1000.

3. The average distance between the Earth and Mars is 48,678,219 miles. Write the successor and predecessor of the given number.

5. Arrange the three above mentioned distance in ascending and descending order.

Criteria for evaluation: Creativity, accuracy, calculation, presentation

EBULLIENT EVS

ACTIVITY :1

Prepare a moon journal depicting different moon phases with the help of Oreo biscuits on A4 size sheet. Label the phases of moon and observe how the moon revolves around the earth.

Refer : <https://youtu.be/ysVbELKDJ-A>

ACTIVITY :2

Being responsible citizens it becomes our duty to create awareness about environmental issues. Create your own magazine on the theme “**THE UNIVERSE-BEYOND PLANETS AND GALAXIES**”.

- Make a picture magazine on universe. You can paste pictures of stars, constellations, galaxies, satellites, etc and write interesting facts on them.
- Draw a beautiful cover page of your magazine using any chart paper or hand-made sheet available with you.

ACTIVITY :3 PAPER MACHE EARTH MAKING

When I was a kid, one of my favourite crafts we did in class was paper mache. It's the perfect way to create a fun Earth craft. You'll need a round balloon, plastic wrap, newspaper strips (torn into pieces 1-2" wide), paper mache paste and tempera or acrylic paint. Start by blowing up the balloon and tying a knot in it so it stays inflated. Wrap the balloon in plastic wrap (to prevent the newspaper from sticking to it). Next, dip the newspaper strips in the paper mache paste and adhere them to the plastic wrap-coated balloon. You may need to do one side at a time. Allow the layer to dry completely (it may take up to 24 hours), then repeat with 3-4 more layers.



Refer : <https://youtu.be/ZUuC6-8eMEY>

Criteria for evaluation: Content, presentation, research, neatness, innovation.

हर्षती हिंदी

प्रथम गतिविधि: अनुच्छेद लेखन-अगर सूर्य नहीं होता तो क्या होता?

द्वितीय गतिविधि: सौर मंडल के सभी ग्रहों के नाम हिंदी में लिखें।

तृतीय गतिविधि : A4 शीट पर सूर्य के महत्व को सचित्र सहित कविता के माध्यम से व्यक्त कीजिए।



Criteria for evaluation: Presentation, Language Accuracy, Originality, Creativity

COMPUTER

1. Make a PowerPoint presentation on "Earth and Beyond ".

- PPT should include 10 slides.
- it should include a school picture (first slide) and logo (on every slide).
- Use different animations and transitions on every slide.

2. Worksheet

Criteria for evaluation: Presentation, Originality, Creativity

PUNJABI

ਪਰਮਾਤਮਾ ਨੇ ਬਹੁਤ ਵਧੀਆ ਦੁਨੀਆਂ ਬਣਾਈ ਹੈ, ਪਰ ਮਨੁੱਖ ਨੇ ਆਪਣੇ ਸੁਆਰਥ ਲਈ ਧਰਤੀ ਦੀ ਦੁਰਵਰਤੋਂ ਕੀਤੀ ਹੈ। ਜਿਸ ਕਾਰਨ ਜੀਵ ਜੰਤੂਆਂ ਨੂੰ ਨੁਕਸਾਨ ਹੋਇਆ ਹੈ। ਤੁਸੀਂ ਆਪਣੀ ਧਰਤੀ ਦੇ ਜੀਵ-ਜੰਤੂ ਕੁਦਰਤ ਨੂੰ ਬਚਾਉਣ ਲਈ ਕਿਹੜੇ ਕਿਹੜੇ ਕਦਮ ਚੁੱਕੋਗੇ ਤੇ ਤੁਹਾਨੂੰ ਆਪਣੀ ਧਰਤੀ ਤੇ ਸਭ ਤੋਂ ਵਧੀਆ ਕੀ ਲੱਗਦਾ ਹੈ? ਉਹਨਾਂ ਦੇ ਚਿੱਤਰ ਚਿਪਕਾਓ ਅਤੇ ਬਚਾਉ ਦੇ ਤਰੀਕੇ ਦੱਸੋ।

Criteria for evaluation: Presentation, Language Accuracy, Originality, Creativity

FRENCH

Make a collage on France

Criteria for evaluation: Creativity, Presentation