



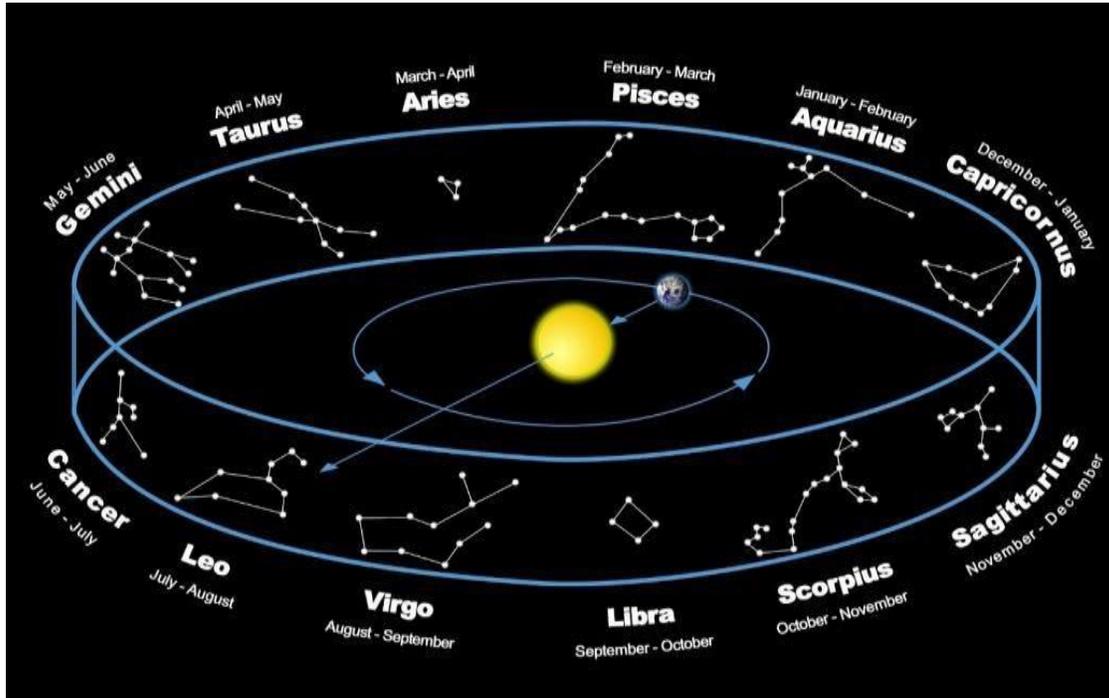
**Bal Bharati
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(An Institute of Child Education Society, New Delhi)

WINTER HOLIDAY HOMEWORK

THEME- 'SPACE ADVENTURE'

CLASS V



SPACE

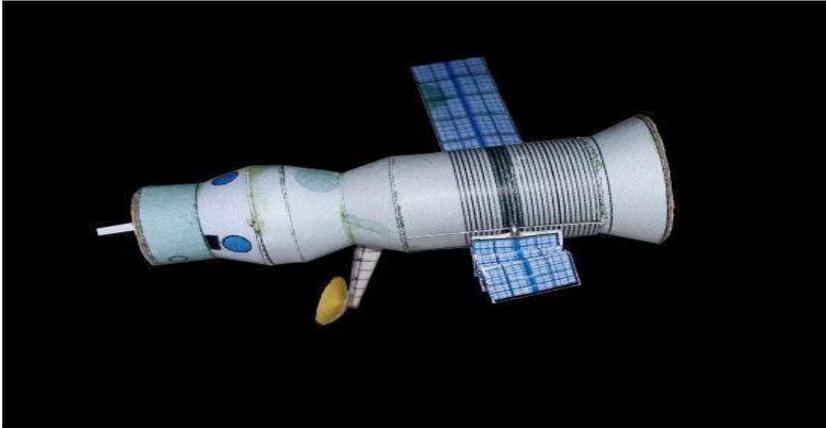
THE PLANETS IN THEIR GALAXY,
BRIGHTLY DOTTED STARS I SEE.
IN A PATTERN ONE BY ONE, REVOLVING
FAST AROUND THE SUN. WHILE THE
EARTH IS SPINNING, I STAY FIRMLY ON
THE GROUND.
GRAVITY KEEPS ME IN PLACE, AS I
SPIN AROUND IN SPACE.

Dear Parents,

The winter vacation has begun. To keep our students engaged we have compiled a set of fun-based activities for the Winter Vacation. You may help your child to complete the home-work.

HAPPY WINTERS!

ACTIVITY – 1: DESIGN YOR OWN SPACE CRAFT



Do you love protecting your world in the space? Enemies are on the move to enter the earth to dominate it and expand their territory. Let's become a great saviour and protect our planet now. Design your own 3-D spacecraft using 3-D shapes obtained by nets. Also, calculate the volume of your spacecraft.

Describe your space craft through the acronym as given below and stick it on your model:

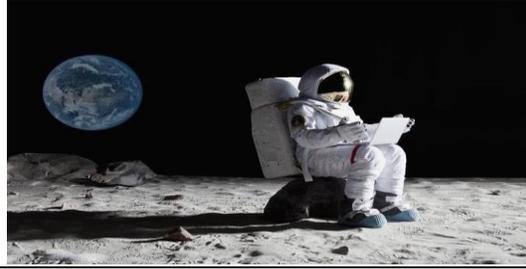
| | |
|---|-------|
| S | _____ |
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| A | _____ |
| C | _____ |
| E | _____ |



Date of submission: 15.01.18

PHASES OF THE MOON

MOONASTICS



“The night walked down the sky with the moon in her hand.”

Frederick L. Knowles

We always see the same face of the Moon because the Moon day is the same length as its moon year- or its rotation time is the same as its revolution time around the Earth. The Moon has no luminosity. The light we see is the sunlight which is reflected. The lit side of the moon can be seen from Earth, the shape depends on the position in the lunar month. The phases of the Moon or the different shapes of the Moon, that we see, are caused by the different angles from which we see the illuminated part of its surface.

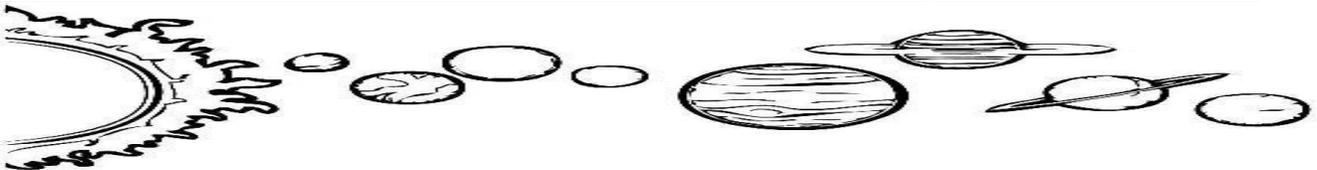
The moon is a sphere, big and white
It loves to reflect the sun's bright light.
It goes on a journey every 28th day
Around the Earth, a hide and seek game it will play.
In the beginning, it is new Out of sight
from me and you. Then it waxes in white as it grows on its right.
Waxing crescent and quarter, then gibbous too
When full, the phases are halfway through!
Now it flips to the left and starts to wane
As it fades away in its orbit lane.
Waning gibbous and quarter then crescent too
It's completed its orbit and back to new!

ACTIVITY 1- Write the above poem on the phases of the Moon on an A4 sheet and draw the different phases of the Moon around it. Paste your creation in your EVS Notebook.

ACTIVITY 2- Most of the planets of the Solar System have natural satellites for example moon is the Natural satellite of the Earth. Complete the given chart by filling in the number of natural satellites of the given planets and paste it in your EVS Notebook. (Date of submission: 16/01/18)

| S.NO. | Name of Planet | Number of natural satellites |
|-------|----------------|------------------------------|
| 1. | Mercury | |
| 2. | Venus | |
| 3. | Mars | |
| 4. | Jupiter | |
| 5. | Saturn | |
| 6. | Uranus | |
| 7. | Neptune | |

Date of submission: 17/01/18.



SPACE TIMES

The long wintery evenings and nights give us ample opportunity for star gazing. Did you ever look up and tried to spot planets, constellations and meteors? Looking up the beautiful night sky, have you wondered how our solar system would look?

It's time to put your imagination about solar system to work. You are the editor of Space Times , a newsletter about the Sun and all planets in our solar system. Create a newsletter (A3 sheet) with interesting news, articles, advertisements, editorials, pictures etc. The only thing to remember is that this newsletter is not for a city or country or even earth. It's about the whole solar system. So let your imaginations run wide from Sun to Neptune and everything in between and create your very own The space Times.

Date of submission: 17.01.18.

HAPPY HOLIDAYS AND A HAPPY NEW YEAR!