

THE QURIO

Mag

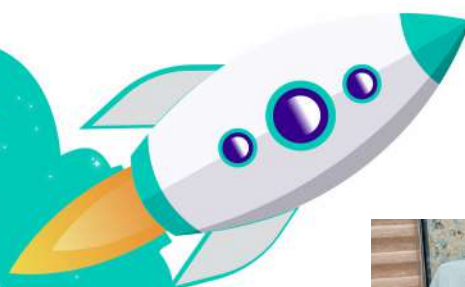
The Earth & Beyond



Volume 1 | 2022

PIS AMRAVATI - 1

CONTENTS



FROM THE PRINCIPAL'S DESK

Aristotle once said “For the things we have to learn before we can do them, we learn by doing them.”

I would like to express my gratitude to the parents who have put their faith in us to educate their children. The role of a school has considerably changed over a period of time. It is now not only limited to pursuing of academic excellence but it is now equally important to motivate and empower the students to be lifelong learners, critical thinkers, and productive members of an ever changing global society. Our goal is to convert every individual into a self-reliant and independent citizen, our school provides an amalgam of scholastic and co-scholastic activities. As the Principal of the school, I feel honoured and privileged to be part of an educational institution where every stakeholder is a learner and every day is an opportunity to learn and discover. We look at ourselves as a community of learners, where everyone learns including our teachers, parents & staff. We at Podar International School are delighted to launch a school magazine ‘The Qurio Mag’, a magazine which gives opportunities to students to showcase their creativity in the form of stories, articles, poems, anecdotes and so on. The theme for the 1st Volume is ‘The Earth & Beyond’ has given the students a chance to learn and explore ‘Outer Space’ in a fun and creative manner. I congratulate the entire team of students and teachers for their hard work and dedication to making this magazine. I am sure that the variety of contents would not only be informative but also impressive and enjoyable. “Knowledge is power. Information is liberating. Education is the premise of progress, in every society, in every family.”

Regards,

Principal Mr. Sudhir Mahajan
M.A.(Eco.), M.B.A.(PM & HR)
M.Ed., M.S.W., M.Sc., M.A(J & MC)

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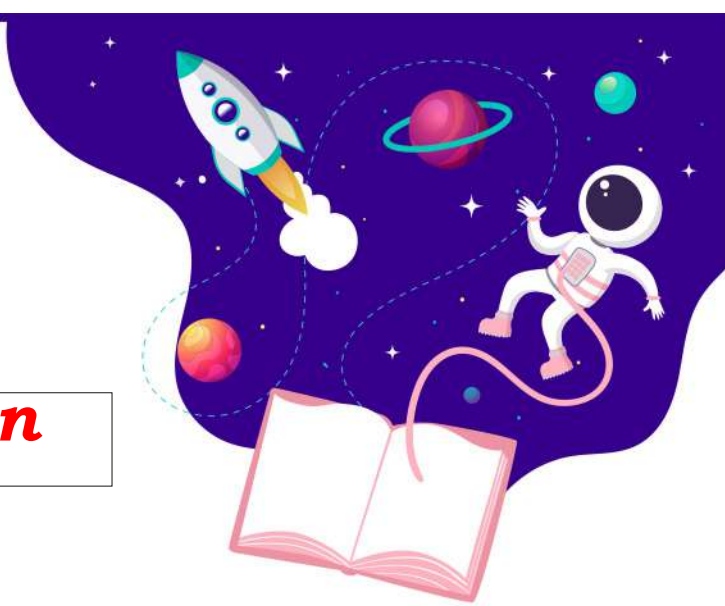
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CHRONICLES OF SPACE

Brent's trip to the Moon



Brent was fascinated by the picture of stars, and planets and always dreamt of flying in outer space. One summer evening while he was taking a nap in his room his older brother, Mike began playing his new boom box loudly. Brent asked Mike to turn it off, but he didn't. Finally Brent put on his headphone and began listening to the soothing sound of the ocean waves. Lying in bed with his eyes closed, he pretended that he was in a rocket ship and began daydreaming about flying into outer space. In his mind the rocket ship had two astronauts Brent and Mike.

"Co pilot ready?" Brent called out.

"Co Pilot ready." Mike answered in Brent's head. Blast off. In just a couple of minute they were in outer space." The earth looks so beautiful from up here" said Mike" "It looks like a blue, green and white ball. I can see the clouds and oceans. But there are no countries or borders. Are we close to the moon yet?

"Yes we are!" Brent answered "we are going at the speed of 25,000 miles per hour. According to my calculation, we should reach Moon in 30 minutes "That`s so cool!" said Mike. "I think I will listen to some music on my boom box," Brent was annoyed that Mike was still playing music on his boom box. However, he decided to ignore the loud noise. "Mission control to Brent," Said an automated voice in the head sets. "Prepare for landing in two minutes." "We are ready," said Brent. "Rough landing ahead!" Rocket ship landed on the moon. "liiitttt is a buumpppyy rrrriidddeee," said Mike as their airbags deployed. But suddenly someone hit Brent with pillow, and he woke up and explained his dream to his brother Mike.

Miss Swanandi
Thakare
I Dynamic



CHRONICLES OF SPACE



First Indian on Moon



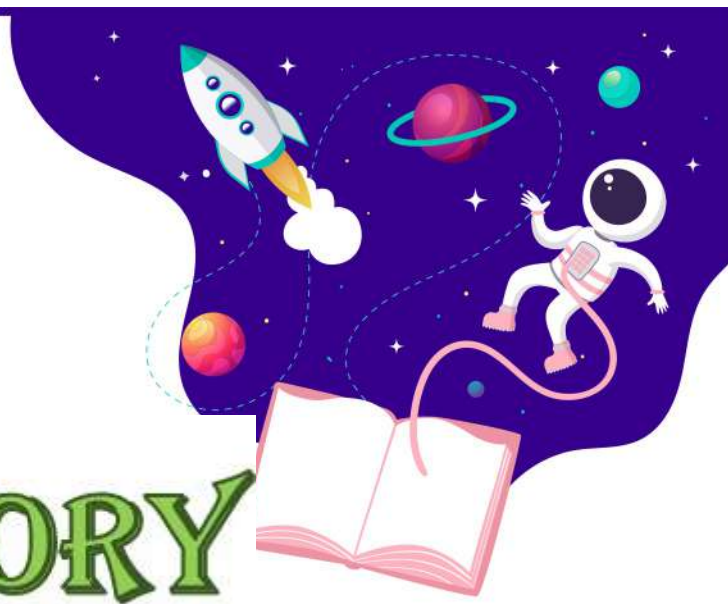
Rakesh Sharma was the first Indian to go in space. He spent 7 days 21 hours and 40 minutes aboard the Salyut 7 space station. Rakesh Sharma (born Jan 13-1949) in Patiyala, in Punjab. He was an Indian military pilot and cosmonaut. He was the first Indian citizen who reached space in 1970 and then he joined the Indian Air force as a pilot. He flew 21 combat missions in a MI G-21 aircraft in the Bangladesh war of 1971.

Miss Gunjan Lende
VI Dynamic



CHRONICLES OF SPACE

SPACE THEORY



We often refer to our expanding universe with one simple word'- space. But where does space begin? And more importantly, what is it? Space is defined as a bound less three dimensional place, where objects can have relative position, directions and size.

Space is almost perfect vacuum early void of matter and with extremely low pressure. In space sound does not get carried because there are not molecules close enough together to transmit sound between them. Space is the word often used as a short hand to outer space. Outer space is the region beyond a planet's atmosphere. The line separating the atmospheres and outer space is called the Kaman line. Space refers only to the area between the plants; white universe encompasses planets as well.

There are two types of space =area that an object takes up. Negative space is the empty space around or in the holes of the object. It appears that space was created in Big Bang 13.8 billion years ago and has been expanding ever since.



Mast. Chinmay Kale
III Dynamic

CHRONICLES OF SPACE



Beginning of the Space Race



We human beings have been venturing into space since October 4, 1957 when the Union of Soviet Socialist Republic (U.S.S.R) launched Sputnik the first artificial satellite to orbit Earth.

This happened during the period of political hostility between the Soviet Union and the United States of America known as the cold war. For several years the super powers had been competing to develop missiles called intercontinental ballistic missiles (I.C.B.) to carry nuclear weapons between continents. In the U.S.S.R. the rocket designer Sergei Korolev had developed the first ICBM a rocket called R7 which would begin the space race.

Miss Janvi Dandge
VI Excellent



CHRONICLES OF SPACE

Wonders of the Wonderful Space!



Me: Hello Everyone! I am Animita from Planet Earth, Species: Human, Milky Way Galaxy, Age:12 Earth years and you are watching Live Bing TV 10xx25! And today we have Dr. Keep Obgu, an astronomer, a space traveller and a Researcher Hello Dr. Obgu!

Dr. Obgu: Xiu Everyone! I am Dr. Keep Obgu from Planet zee-zee XUEY396 distance from earth 12000 light years, Species: lelothals, Age:6000 Earth years.

Me: Welcome Dr. Obgu, Dr. Obgu, you are known for your discoveries about life on different planet and your exploration and knowledge. So, our viewers would like to know about your most bizarre journey.

Dr. Obgu: Hmm.. Well, I guess the most bizarre journey would be my journey to planet EE102600. Hmm, I was travelling to EE102600 to research on a species called, Krick Kchicks 0056" and when I was a member of the Krick kchicks family. "Kricks" have basically a long antenna like body part present on the creature's back that helps it to find goods by smelling and it's basically the Kchicks nose and it also helps it to absorb energy from their sun, stars and light too. And if they absorb too much energy, they just explode!.

Me: Wooh!

Dr. Obgu: Hmm.. Hush.. Now, let's get back on my most bizzzare journey. Here! So Uh I was just 200 light years away from my destination planet and I saw a Nebulae. It wasn't a big deal, so at first I just admired its beautiful blood red color when I noticed something. I quickly grabbed my xexoline 4600 and I saw it clearly, this time and it was moving. It was Alive! And it was a king of mutating or something. But it was mutating or taking forms so rapidly so fast! It took many forms and they looked familiar. I zoomed in more and saw they were all the 346000 quadrillion species! All of them! I was Speechless with my jaw dropping to the floor! It was mutating into all the species, like Lelothals, the Maxi uses, the Xing-Xigs, the Logas, their close cousins, the Oogas and also the Boogas even humans and even the "animals" from various planets.

Me: It's amazing and scary at the same time!

Dr.Obgu: I know right?

Me: But how did it get the information about the different species appearance and did it resemble the species accurately?

Dr. Obgu: Yes! It did and I dunno! I don't know where it got information about those species appearance or where it came from; I mean I was amused too! And when I tried to click pictures, I realized I couldn't! I mean I couldn't see it in the space cam, the literal best and the most advanced camera for clicking pictures in Space!

Me: It's unbelievable, Dr. Obgu. But could the mysterious creature anomaly be dangerous?

Dr. Obgu: I don't know, may be because, as it could take all the species forms accurately, it could be dangerous or maybe it's friendly. But we've got to be still alert. And I guess we'll find out more about the creature in further research.

Me: That is very confusing and awesome!

Thank you for sharing your bizarre story. So, we will end our interview here. Thank you for watching and I Animita, your lovely host will be back in other interview about the wonders of the Wonderful Space!



Miss Animita Raut
VI Excellent



SPACE PROJECTS

Chandrayaan 2



Satellite



Launch date- 22 July 2019

Launch site- Satish Dhawan space.

Operator- ISRO (Indian space Research Organisation)

Mission type-Lunar Orbiter , lands rover

Orbital Insection- 20 August 2019

Launching date - 6 September 2019

Power- Orbites - 1000 watts

Vikram Landes- 650watt

Pragyan Rover - 50 watts

Chandrayaan - 2 is the second lunar exploration mission developed by ISRO - after Chandrayan - 1. It consists of a lunar orbit, Vikram Lander and Fragen Rover which were developed in India. The main scientific objective is to map and study the variation in lunar surface composition, as well as the location and abundances of lunar water .

Hay! I am Indian Satellite. I am very strong.
What is Satellite? How it helps our earth?

Ans- Satellite means an electronic device that is sent into space and moves around the earth or another planet for a particular purpose. It is a natural object that moves round a bigger object in space.

Satellite Aryabhata was India's first satellite launched on 19th April 1975 from Kapustin Yar, a Russian rocket launch and development site.

Yuri Gagarin from the Soviet Union was the first human in space.

Rakesh Sharma became the first Indian who went to space.

Lovlish Malik
V- Glorious



Master Sarthak Kedar
VI Fabulous



SPACE PROJECTS

First Step on the Moon NEIL ARMSTRONG



Our planet Earth is one of the eight planets which travel around our star-the Sun. The scientific name for this elliptical path is an Orbit. Nearly all of the planets have moons, which orbit around the planets as they orbit the Sun. Other space bodies orbiting the Sun include mini planets called asteroids. Together with the sun this family of planets, moons and other space bodies is known as the Solar System.

American astronaut Neil Armstrong was the first person to set foot on the moon in 1969. He landed his Eagle space craft along with Buzz Aldrin, spent about 2 hours exploring the rocky surface before flying back home. Neil Armstrong was a NASA astronaut and aeronautical engineer. He famously became the first man to land on the Moon during Apollo 11 mission. Armstrong also flew on NASA'S Gemini 8 mission in 1966.

Neil Armstrong was born in Wapakoneta, Ohio, on August 5, 1930. He was of Scottish Irish and German ancestry. He had two younger siblings: Jen and Dean. After spending 21 hours and 36 minutes upon the moon (including 2 hours and 31 minutes of outside exploration) ,it was time to leave for Armstrong and Aldrin.

MANGALYAAN



India was among one of the first countries in Asia, trying to reach the orbit of Mars. In 1984, Vikram Sarabhai Space Centre & Subbiah Arunan Started new project - 'Mangalyaan'. The government gave a go ahead for the planning of the mission to the ISRO Chairman A.S. Kiran Kumar in Bengaluru. India was the first nation who successfully reached the Red planet on its first attempt when the Mars Orbit Mission (Mom) also known as Mangalyaan, entered the orbit in 2014.

The main objective of Mission Mangalyaan is to survive and perform earth bound maneuvers, cruise phase of 200 days. Mars orbit insertion by Mangalyaan is a breakthrough in the field of space research.

**Yatharth S.
Zaparde
VI Fabulous**



**Miss Mrunmayi
Thakare
VI Fabulous**



SPACE PROJECTS

National Aeronautic and Space administration



NASA stands for National Aeronautic and Space administration ... NASA is the US government agency that is responsible for science and technology related to air and space. The Space Age started in 1957 with the launch of the Soviet Satellite Sputnik.

Few bloopers about NASA (NASA Logo)
Apollo 11 spacecraft went on moon. Neil Armstrong stepped his first foot on moon. The image was sent on earth was different as his space suit's foot was different !

(I don't know but was it ?) He's original suit Shoe

Neil Armstrong's foot print on moon (captured)



People said, "NASA lied to our world by telling fake landing on moon .

The Opinions of NASA scientists and astronomers
In the Orion constellation a star named "Betelgeuse" is going to explode with a super nova explosion (very harmful)

Betelgeuse is about 17x times bigger than our Sun.
If sun explode then it will only nova explosion but
" Orion Belt " Betelgeuse explodes with super nova explosion.



Super Nova Explosion

If the Betelgeuse explodes it will become a neutron star that will be 15 times greater than the sun. A neutron star can throw millions of harmful light upto 6000 LYC (Light years) ...

(Light year is a speed in which light travel in 1 year light can travel 300,000 km / s)

Earth is only 550 light years away from Betelgeuse, meaning to hit earth, light should be, 550 light years away.

**Sarthak
Shingade
VI Excellent**



A graphic with a teal background featuring a satellite, a constellation, an astronaut, and a planet. The text 'SPACE PROJECTS' is written in large, bold, black letters.

SPACE PROJECTS

ISRO [Indian Space Research Organisation]



The Indian Space Research Organisation is the National space agency of India, headquartered in Bangalore. It operates under the Department of space which is directly overseen by the Prime Minister of India, while the Chairman of ISRO acts as the executive of DOS (Department of space) as well.

Headquarters : Bengaluru :
Founded: 15 August 1969
Founder : Vikram Sarabhai
Jurisdiction : India

Subsidiary : Vikram Sarabhai Space Centre
Centres : SDSC , Sriharikota in Andhra Pradesh ; IPRC . Mahendragiri
; SAC , Ahmadabad etc.

ISRO develops and delivers application specific satellite products and tools to the Nation : broadcasts , communications , weather forecasts, disaster management tools , geographic Information systems , cartography , navigation , telemedicine , dedicated distance education satellites been some of them .

Miss Sharanya
Mohod
VI Fabulous



THE UNIVERSE TODAY

Space & Astronomy News



Facts on space

1. There is a highway in space, called the interplanetary superhighway. It is used to send spacecraft around the solar system with least resistance using gravity.
2. If you leave the earth at the age of 15 in a spaceship at the speed of light and spend 5 years in space, You will be of 20 years old when you get back on the earth. but all of your friends who were 15 when you left, will be 65 years old at that time.
3. Do you think you are sitting still right now? You are on the planet that is orbiting a star at 30 km/s. The star is orbiting the centre of the Galaxy at 260 km/s. That Galaxy is moving through the universe at the rate of 60 km/s.

Mast. Arhan Khan
VI Dynamic



BLACK HOLES AND DARK MATTERS

What we can observe in our sky planets, stars, galaxies, asteroids and meteors etc. is a small fraction of what exists. Bright matter, the visible stuff of the universe, which forms only about a sixth of its mass.

Now what forms the next?

Scientists know that there must be more out there than meets the eye. Which means there is a lot more than what we see. The unseen substance has gravity and appears to be holding together the parts of universe. Because the unseen matter does not emit radiation and it is called 'Dark Matter' by the scientists.

WHAT IS BLACK HOLE?

Black holes are formed when a large dying star collapses. The gravity created by this condensing matter completely overpowers and outward forces, including light.

Although, a black hole emits no light, its presence is detectable by radio astronomy equipment.

Aradhya P. Talkhandkar
V Excellent



COSMOLOGY

INTRODUCTION:

Cosmology means study of universe as a whole. It's a branch of astronomy. It includes information of universe in past, present, and future. It's endless branch of astronomy.

DISCOVERIES:

There are many discoveries in cosmology. In 16th century BC, it was said that universe is flat and earth is in blue cosmic ocean. But in 21st century, we discovered that earth is spherical and moves around itself and around the Sun also along with other planets is called solar system which is in Galaxy.

Mohd. Ashhar Sajid
VII Glorious



THE UNIVERSE TODAY

Space & Astronomy News



ISRO's first satellite 'Aryabhata'

'Aryabhata' was launched by the Soviet Union on 19th April, 1975. Rohini, the first satellite to be placed in orbit by an Indian-made launch vehicle (satellite launch vehicle), was launched on 18th July, 1980. ISRO has launched several space systems including the Indian National Satellite (INSAT) system for telecommunication, television broadcasting, meteorology, and disaster warning and the Indian Remote Sensing (IRS) satellites for resource monitoring and management.

Aradhya Dakhane
V Excellent



Space telescope captures images of solar system's biggest planet

NASA's James Webb Space Telescope has captured stunning images of the planet Jupiter showing two tiny moons, faint rings and auroras* at the northern and southern poles.

"We hadn't really expected it to be this good, to be honest," said University of California planetary astronomer* Professor Imke de Pater.

"It's really remarkable that we can see details on Jupiter together with its rings, tiny satellites*, and even galaxies* in one image," she said.

Professor De Pater headed the observations of Jupiter, the largest planet in our solar system, with Paris Observatory* Professor Thierry Fouchet.

The composite* images were taken with the observatory's Near-Infrared* Camera (NIRCam) and were artificially colored because infra-red light is not visible to the human eye.

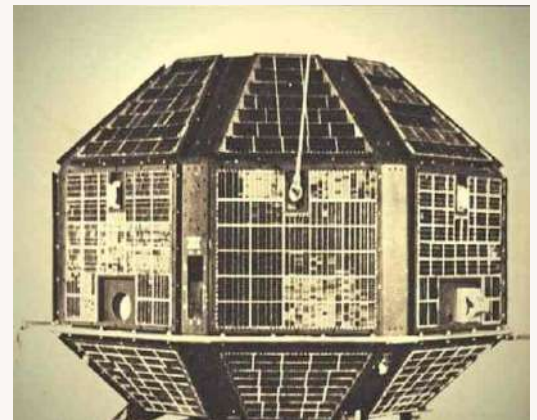
The auroras above the northern and southern poles of Jupiter have been mapped in redder colors, while the Great Red Spot, a storm bigger than Earth, appears white.

One image shows Jupiter's faint rings and its moons Amalthea and Adrastea.

Launched in December 2021 from French Guiana on an Ariane 5 rocket, Webb is orbiting* the sun at a distance of 1.6 million km from Earth, in a region of space called the second Lagrange point.

It took the spacecraft almost a month to reach the region, where it remains in a fixed position behind the earth and the sun to give it a clear view of the cosmos*.

The Webb telescope is an international collaboration* between US space agency NASA, the European Space Agency and the Canadian Space Agency, involving more than 10,000 people.



MOVIES AND BOOKS RECOMMENDATIONS

Movies

1. Apollo 13 (1995)

NASA must devise a strategy to return Apollo 13 to Earth safely after the spacecraft undergoes massive internal damage putting the lives of the three astronauts on board in jeopardy.

2. The Martian (2015)

An astronaut becomes stranded on Mars after his team assumes him dead, and must rely on his ingenuity to find a way to signal to Earth that he is alive and can survive until a potential rescue.

3. Interstellar (2014)

A team of explorers travel through a wormhole in space in an attempt to ensure humanity's survival.

4. First Man (2019)

A look at the life of the astronaut, Neil Armstrong, and the legendary space mission that led him to become the first man to walk on the Moon on July 20, 1969.

5. Gravity (2013)

Two astronauts work together to survive after an accident leaves them stranded in space.

6. Fly Me To The Moon (2009)

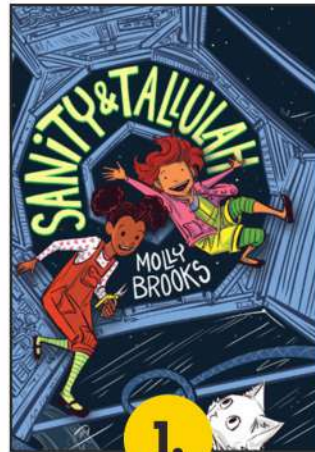
Three young house flies stowaway aboard the Apollo 11 flight to the moon.

7. Mission Mangal (2019)

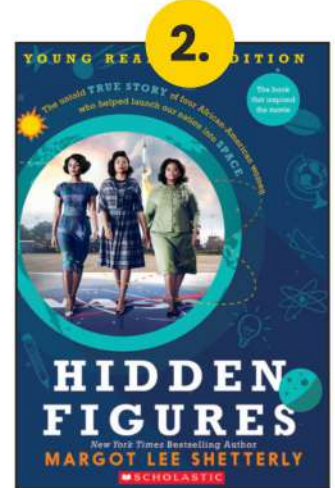
Based on true events of the Indian Space Research Organisation (ISRO) successfully launching the Mars Orbiter Mission (Mangalyaan), making it the least expensive mission to Mars.



Books



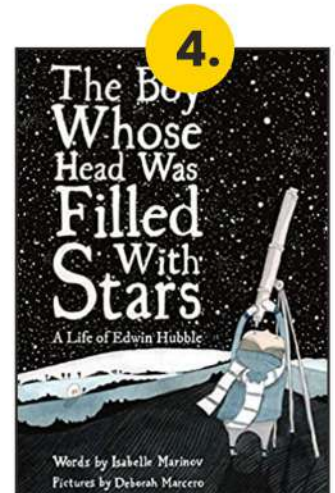
Sanity & Tallulah
Molly Brooks



Hidden Figures
Young Readers'
Margot Lee Shetterly



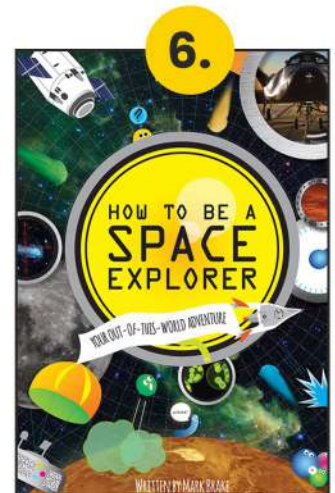
Galaxy Girls: 50 Amazing
Stories of Women
In Space
Libby Jackson



The Boy Whose Head
Was Filled with Stars:
A Life of Edwin Hubble



The Kid Who Came
From Space
- Ross Welford



How To Be A Spcae Explorer:
Your Out Of This World
Adventure By -
Lonely Planet Kids



Review

Movies & Books

Title of the Book/Movie: **Mission Mangal**

Movie/Book Summary:

Mission Mangal is an incredible true story behind India's mission to Mars. Mission Mangal is one of the best movies I like, as I want to be a scientist. A team of Indian scientists at ISRO takes on the extraordinary task of successfully sending a satellite into the orbit of planet Mars in a country's maiden attempt.

The characters of movie seem real life HEROS. This movie has a lot to teach. It's about how one understands it. It's a wonderful movie with witty Dialogues and the rising curiosity to know what happens next.

How many hearts do you give this movie? 

(Draw a heart to rate - 1 heart means the movie was really bad.

5 hearts means it was great!)

Movie/Book Reviewed By: **Rishan Katrela**
5th Dynamic



Title of the Book/Movie: **Moon**

Movie/Book Summary:

Released by-17 July 2003

Director- Duncan jones

Story by- Nathan Parker

Music by-Clint Mansel

Distributed by-Sony pictures Classics

Astronaut Sam Bell's (Sam Rockwell) three-year shift at a lunar mine is finally coming to an end and he's looking forward to his reunion with his wife (Dominique McElligott) and young daughter..Suddenly, Sam's health takes a drastic turn for the worst. He suffers painful headaches and hallucinations, and almost has a fatal accident.

How many hearts do you give this movie? 

(Draw a heart to rate - 1 heart means the movie was really bad.

5 hearts means it was great!)

Movie/Book Reviewed By: **Shlok Shegokar**
V Dynamic





Review

Movies & Books

Title of the Book/Movie: **MOONFALL**

Movie/Book Summary:

Release Date :- 3 February 2022

Director: Roland Emmerich

Story by = Roland Enrich, Harald Kloser and Spenser Cohen.

Music by:

- Harald Kloser, Thomas wander

Distributed by - Lion gates Films.

In the movie moon fall. Moon is falling on Earth.

A team of scientists try to stop the falling moon.

The name of character is Brian Harper, K.C House man and sonny Harper. They can stop the fall of the moon on earth.

The movie is fantastic and Excellent.

Type of movie-sci-f2, fantasy, Adventure, and comedy.

How many hearts do you give this movie?



(Draw a heart to rate - 1 heart means the movie was really bad.

5 hearts means it was great!)

Movie/Book Reviewed By: **Master Ayush Sable**
V Dynamic



Title of the Book/Movie: **THE BOY WHOSE HEAD WAS FILLED WITH STARS - A Life of Edwin Hubble**

Movie/Book Summary:

This is the story of Edwin Hubble, a boy fascinated by the stars who surmounted many hurdles to follow his dreams of becoming an astronomer. Using the insights of great mathematicians and endlessly observing the sky, he succeeded in confirming two things that altered human life forever: that there are more galaxies than our own, and that the universe is always expanding. Hubble's message to us is to find peace in the vastness of the mystery surrounding us, and to be curious.

How many hearts do you give this movie?

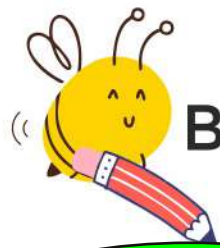


(Draw a heart to rate - 1 heart means the movie was really bad.

5 hearts means it was great!)

Movie/Book Reviewed By: **Akshita Mishra**
VI Dynamic





BUZZING POETS

Unique Space

Space is ultimate, space is wide
In a rocket, I want a ride there is milky way,
Andromeda side
Solar system of planets eight
Third is Earth, of 170 billion trillion weights
Earth is Blue, Mars is Red, unique planet is Earth
it is said
Neptune is far, mercury near
Neptune is frosty, beautiful Saturn's rings appear
Mercury is faster than Neptune
Neptune is slower than Venus
Space is limitless, space is ultimate
Poet saw astronaut and they met.
space is unending, space has no end
to space many astronauts were sent.

Soham Ganesh Tayde
VII Fabulous

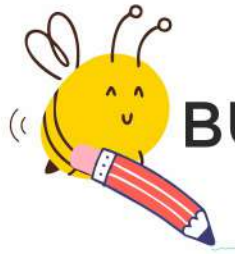


I wish I Wish

I wish I should
Be one little star
That,
Twinkles and shines
But one
Thought
What will I get?
Colour Red, golden, or silver
I want to shine
If I will not be one
Little star
Then I wish to be
A beautiful planet.

Swarali Kurwade
V Dynamic





BUZZING POETS

Missing Moon

In the sky
There is moon
I miss you
In the afternoon
I can't look at it in June
Please meet me early and soon.

Devansh Nileshkumar Ingole
II Excellent

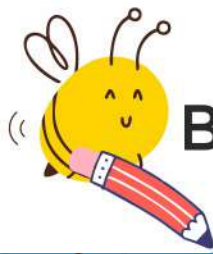


Wandering In The Space

I wander in the space by tying my shoelace
I went to visit stars with the help of my flying car
First I went to the Sun, which was hot as a bun.
Then I visited celestial bodies
I went more far with confidence
Where there was so much silence
After seeing that many stars.
I wish to be a star
But from the earth it is too far
Then I went to see the planets
Out of which many look like carrots.
The sun has attacked me with the help of solar beam.
And meanwhile I woke up from my dream.

Kshitij Mahure
VII Fabulous





BUZZING POETS

Tour to the Galaxy

When someone said "we will go to space"
I got ready and tied my shoelace
Simply by flying, I reached the space
Faster than the rocket which I cannot chase
First I saw moon and thought he is coming towards me soon
Then I went to mercury it was very bright and thought he had done surgery
Then I went to Venus, by landing there
I got famous because no one landed and I was first
Then I went to Mars it was having long scars
Then I went to Jupiter but I was not having no solid matter
Then I went to the Saturn
The rings make it beautiful and interesting
We cannot land on it, we cannot stand on it.
Then I went to the Uranus which is very far to us
Then I went to Neptune but remember this journey will end soon
I finally reached the Earth, the place of my birth.

Ojas Kamble
VII Excellent



Five little Astronauts

Five little astronauts , flying in the stars
The first one said ,"let's go see Mars!
The second one said , " There are camels in the sky!"
The third one said ,There's an alien here!
The fourth one said , let's fly up in the sky
The fifth one said," let's go up really high!
Then,"Whoosh " went the spaceship
"Buckle up tight!"
And the five little astronauts
Zoomed out of sight

Sarvesha Thotange
III Excellent



SPACE Exploration



THE FIRST MARK ON SPACE 'Yuri Gagarin'

Yuri Gagarin, the first man who stepped into space on 12th April. He was born near Moscow, Russia on 9th March, 1934. He was the son of a carpenter. Yuri joined the 'Soviet Air Force in 1955 and by 1959 he was trained to become a cosmonaut. In 1960 Gagarin was selected along with 19 other candidates for the Vostok 1 program. Eventually the program was narrowed down to two possible candidates.

At the age of 27, on the morning of 12th of April, 1961, Yuri Gagarin made his way to the launch pad with his fellow members at 09:07 am, as the engine rumbled; Yuri said "let's go!" Gagarin was in space. He crossed Africa and was preparing to get back in Earth's atmosphere which would not be easy. He had orbited the earth for 108 minutes during the flight as he made re-entry, the cables joining with Vostok descent module to the service module, failed to detached properly, almost causing Gagarin to pull the cables apart as he reentered the earth, he experienced forces up to the eight times the pull of gravity but remained conscious. Later Yuri Gagarin used parachute and landed near the Volga River. Yuri Gagarin was a national hero of the Soviet Union and died in 1968.

Parth Pawar
V Dynamic



MARCHING TO SPACE

When I was a child, I saw a rocket in the sky, I was curious to see that flying object. I was thinking about it, in each and every moment. So that after completing my school education, I choose pace science for graduation. After that I was searching for jobs, my dream job was to join ISRO. One day I saw an advertisement of ISRO. I was very happy so I filled up an application. I faced written examination and interview. Those days were stressful for me. But one day, I got surprised when I was selected as a junior scientist in ISRO. Today, I am the senior space scientist of ISRO. During my space project, I had the experience to see space very closely when I lived in space for a month. In this way I completed my dream because I always believed on myself and my hardwork.

Aashay Raut
IV Excellent



SPACE

Exploration



Inside Space

Outer space starts above 100 km of the earth where the shell of air round our planet disappears. Without air, sunlight scatters and produces blue sky. Space appears as a black blanket dotted with stars. Space is usually regarded as being completely empty.

7 things about space

- Space is completely silently.
- The hottest planet in our solar system is 4500C.
- The Sun's mass takes up 99.86% of the solar system.
- One million Earths can fit inside the Sun.
- There are more trees and plants on earth than stars in the Milky Way.
- A full NASA space suit costs \$12,000,000

Swaraj Pawan Wasu
VI Dynamic



SPACECRAFT AND ASTRONAUTS

Rockets have to travel very quickly to escape the Earth's atmosphere to reach in space. It requires a huge rocket engine and thousands of tons of fuel to reach high speed.

Saturn 5, the NASA project was as high as a 25 storey skyscraper.

American astronaut Neil Armstrong was the first person to set foot on the Moon. In the year 1969, he landed his Eagle spacecraft and along with Buzz Aldwin, spent about two and half hours exploring the rocky surface,, before flying back home.

Astronauts collected moon rocks and soil, and brought them to the Earth for study. Two astronauts even found an unnamed probe which had been sent to the moon after the study

Unnamed probe – space probe

Vaidehi Khandare
V Excellent





Reaching for the Stars

If you're among those who dream of making their mark in the field of space, you're in luck. Space exploration and related careers is an ever-expanding area with great potential for numerous future career specializations. If your answer is yes there are many careers that you can opt to be a part of space such as:

- Astronauts
- Space Technology
- Engineering
- Space Researchers/ Scientists (Astrophysicists, Biologists, Biochemists, Biophysicist, Geoscientists, Astrobiologists)
- Space Law
- Space Tourism
- Space Architecture
- Space Medicine/Psychology



Which are the top Space Science colleges in India?

- Indian Institutes of Technology (IITs)
- Indian Institute of Science, Bangalore
- Indian Institute of Science Education and Research (IISER-TVM)
- Indian Institute of Space Science and Technology, Kerala
- Centre for Earth and Space Sciences, (University of Hyderabad)
- Aryabhata Research Institute of Observational Sciences, Nainital
- Indian Institute of Astrophysics, Bangalore
- Inter-University Centre for Astronomy and Astrophysics, Pune
- National Centre for Radio Astronomy, Pune



What are the courses you can opt for in Space Science after 12th?

- B.Tech in Aerospace Engineering B.Tech in Avionics Engineering
- B.Tech+M.S./M.Tech (B.Tech. in Engineering Physics + M.S. in Solid State Physics, Astronomy, Earth System Science / M.Tech. in Optical Engineering)
- M.Tech in Electronics, Electrical, Mechanical and Computer Science
- PhD in relevant disciplines.



SCIENCE FUN

— @Home —

Let's make a Hovercraft



Materials:

- An old CD
- HOT GLUE gun/fevikwik
- Thumbtack/ pin
- Bottle cap
- Balloon

Steps to make a Hovercraft :

- Make holes in the plastic bottle top.
- Use a hot glue gun/feviquick and fix the bottle top over the hole of the CD. *(Please Note: Students can take help of adults while handling the fevikwik and pins.)*
- Blow up the balloon.
- Twist the neck of the balloon to keep it inflated and pull the lip of the balloon over the edges of the bottle cap.
- Let it Go - Set on a flat surface like a counter top or floor. Release the balloon and watch it glide along without any effort just over the surface.



INTERSTELLAR ART GALLERY



Mast.Swaroop Dhanbhar (VI Dynamic)



Miss.Kanika Solao (VII Fabulous)



Miss.Shravasti Sthul (VII Dynamic)



Miss.Grishma Bhadange (VI Dynamic)



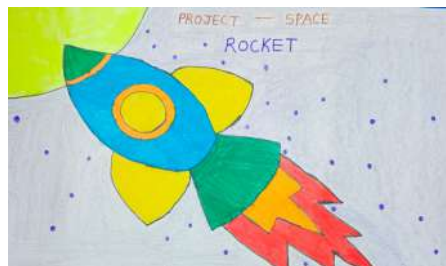
Mast.Saras Tayade (II Fabulous)



Mast.Arn timer Giri (II Fabulous)



Mast.Yash Parise II Glorious



Mast.Priyanshu Kale (II Fabulous)



Mast.Aditya Pakhale VI Dynamic

SPOTLIGHT @ PIS

TEACHER PRIDE PRINCIPAL OF 2022

The man of inspiration ,perspiration and aspiration
Honorable Sudhir Mahajan.

Podar International School ,Amravati Principal has been awarded with the STATE LEVEL – TEACHER PRIDE PRINCIPAL OF 2022. Podar International school has added one more crown to the history of PIS on the auspicious occasion of 'GURU PURNIMA' his efforts ,dedication and devotion to school been appreciated and acclaimed by Human Resource Development. The reward for work well done is the opportunity to do more and makes incredibly proud moment.



SWACHH VIDYALAYA PURASKAR

“Cleanliness and good sanitation in schools is a matter of high importance”

Podar International School ,Amravati has received the SWACHH VIDYALAYA PURASKAR District Level Award by Department of school education and Literacy Ministry of education ,Government of India and Honorable District Collector ,Amravati. It is stated that cleanliness is next to godliness and Podar International School ,Amravati very aptly proven that by achieving this award .In PIS huge ,huge significance is given to cleanliness. We have added one more crest to the glory of school.

“Cleanliness may be defined to be the emblem of purity mind”



Ganit Gyan Vigyan Examination

If you believe in yourself, you can achieve your desired dream.'

Ms.Akshara Thakare from Grade VII brought laurel in the school by securing first position in Ganit Gyan Vigyan examination conducted at Tahsil level by education department. She secured first position in respective categories.



SPOTLIGHT @ PIS

Outstanding Result of Grade X In Vidarbha Region added a one more crown on Podar International School, Amravati

Podar International School, Amravati

GRADE 10th CBSE RESULT 2021-2022

- Best Result in Vidarbha
- 142 Students Scored More than 80% Marks among them 69 Students Scored More than 90%
- 215 Students in 1st Division

District Topper 1st

Krati Sanghai (99%)

District Topper 2nd

Srujanarthikya Tade (98.8%)

Congratulations

Vraj Kale (98.8%)	Aditya Thete (98.8%)	Geet Salunke (98.8%)	Gaurav Borikar (98.2%)	Mathias Vardharia (98%)	Kishu Kulkarni (98.8%)	Amita Reddy (98.8%)	Aditya Dagwar (98.4%)	Harshith Khurde (98.4%)	Jashvi Thakre (98.4%)	Jyotirmay Chavhan (98.4%)
Aryav Raut (98.2%)	Tanmay Khurde (98%)	Geet Purohit (98%)	Rutuja Mahalle (98%)	Shantanu Lende (98%)	Samarth Khadke (98%)	Aparna Mahad (98.8%)	Somayya Dabholi (98.8%)	Shradha Shukla (98.8%)	Purthi Dhanekar (98.8%)	Pransh Limot (98%)
Krishna Masane (98.8%)	Yashwant Kale (98.8%)	Tanvi Kalashkar (98.8%)	Sahani Divyanshu (98.8%)	Madara Phasute (98.8%)	Kamlesh Barghate (98.8%)	Arjun Mahale (98.2%)	Tanishka Ingole (98.2%)	Pransh Saxena (98%)	Shweta Dhanekar (98.8%)	Kishu Jainwal (98.8%)
Utkarsh Gadgil (98.8%)	Aashvi Rathi (98.8%)	Neha Tayade (98.8%)	Anshika Tayade (98.8%)	Samarth Sengul (98.4%)	Pratik Wadhwa (98.4%)	Samarth Bane (98.2%)	Sakshi Maheshwari (98.8%)	Smriti Eswari (98.8%)	Aditi Thakare (98.8%)	Anshika Sawarkar (98.4%)
Tanvi Chhangale (98.4%)	Cybil Meshram (98.4%)	Pratik Bang (98%)	Jay Ghate (98%)	Pooja Pawar (98%)	Vidushi Khurde (98%)	Riya Kasat (98.8%)	Deven Gonsalves (98.4%)	Anay Mahajan (98.2%)	Shivam Ujankar (98.2%)	Purthi Dhanekar (98%)
Shravan Dhanekar (98.8%)	Ayush Lavate (98.8%)	Ramanshi Akhara (98.8%)	Vishal Jain (98.4%)	Kashvi Gajjar (98.2%)	Purthi Lankar (98%)	Shivam Dhanekar (98%)	Rachika Wale (98%)	Karanjit Bhargava (98%)	Tarika Dhanekar (98%)	Nitya Agrawal Sajaj Chhangar (98%)

PODAR INTERNATIONAL SCHOOL AMRAVATI

Celebrates

10

DECADE COMPLETION YEAR-2022

दशकपुर्ति वर्ष - २०२२

Podar International School, Amravati has successfully completed its decade in the year 2022.

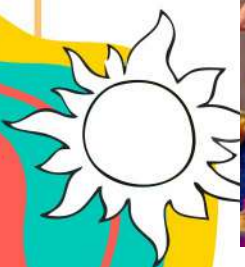


SPOTLIGHT @ PIS

The Glimpse of Events of the Academic Year 2022-23



Carnival 'The Sci-Hi Museum' under the Theme
'Foot prints in Time'-An Archaeological Expedition



ASTRO SNACKS



FRUIT ROCKETS

All you need to make these easy-to-assemble Fruit Rockets are:

- watermelon
- banana
- kiwi
- strawberries
- cantaloupe
- skewers

FUN

FACT

Some foods like bread, fruits and nuts stay the same in space. Other foods have to be vacuum packed to keep their shape and save space.

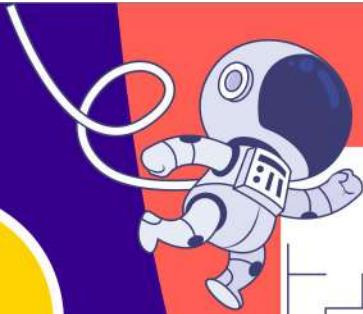
All you need to make these easy-to-assemble Martian snackers are:

- Monaco biscuits
- Cherry tomatoes
- Cucumber
- Cheese
- Mayonnaise or Tomato sauce

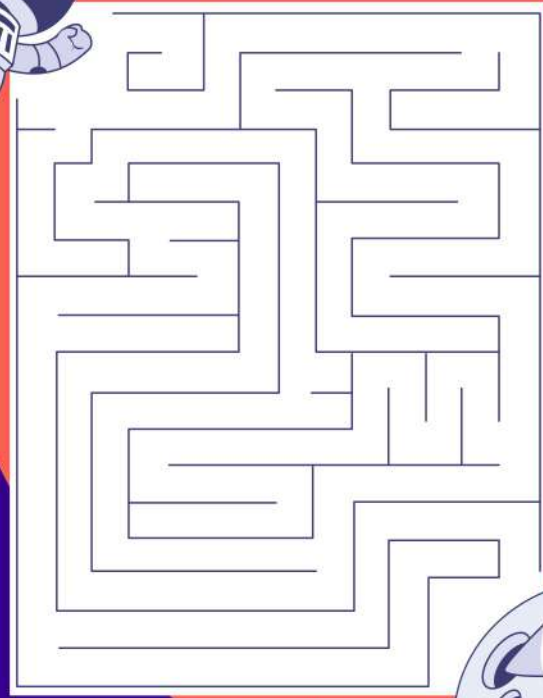
MARTIAN SNACKERS



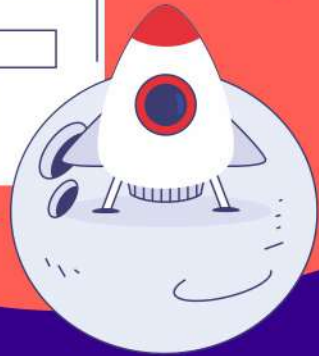
BRAIN PLAY



← **HELP THE ASTRONAUT**



GET BACK TO HIS SHIP →



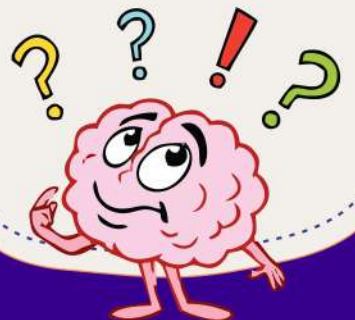
SPACE PUZZLE

Complete the word search

Y	W	A	Z	X	H	D	G	U	F	O
X	E	G	S	T	A	R	J	Z	W	Y
A	A	Y	T	A	G	M	A	B	R	Y
S	R	H	Y	P	Y	G	Y	S	U	N
T	T	B	U	L	P	K	M	L	G	Z
R	H	D	Y	A	L	I	E	N	X	R
O	M	O	O	N	H	B	V	U	T	O
N	X	U	V	E	W	N	Z	P	J	C
A	R	H	J	T	X	R	G	X	J	K
U	N	T	E	L	E	S	C	O	P	E
T	O	G	T	W	X	Y	E	H	D	T

What Am I?

I can be looked through but
I'm not a window,
I have your eye pressed to me
but I'm not a door peephole,
I'm often placed on a tripod
but I'm not a camera,
I help you see things that are
far away but I'm not a pair of
binoculars,
I'm often pointed at the sky
but I'm not a satellite dish!



STAR
UFO

SUN
ROCKET

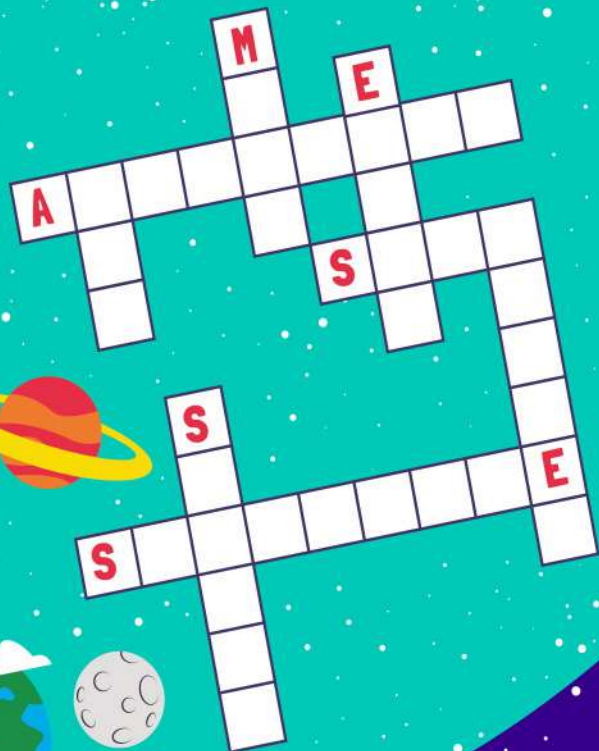
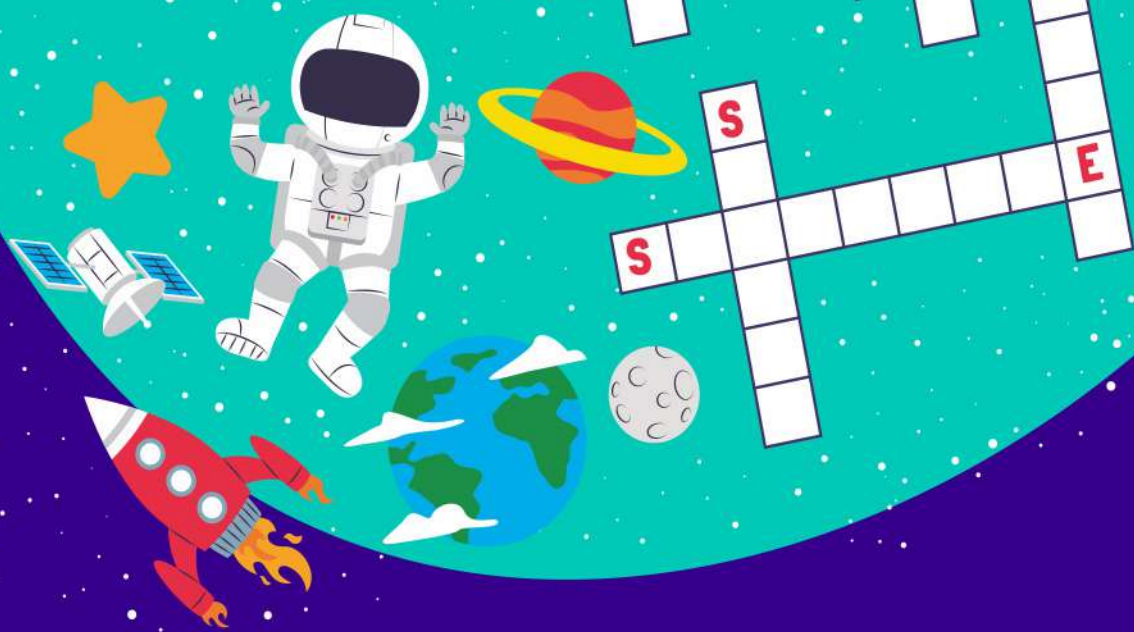
ALIEN
PLANET

ASTRONAUT
TELESCOPE

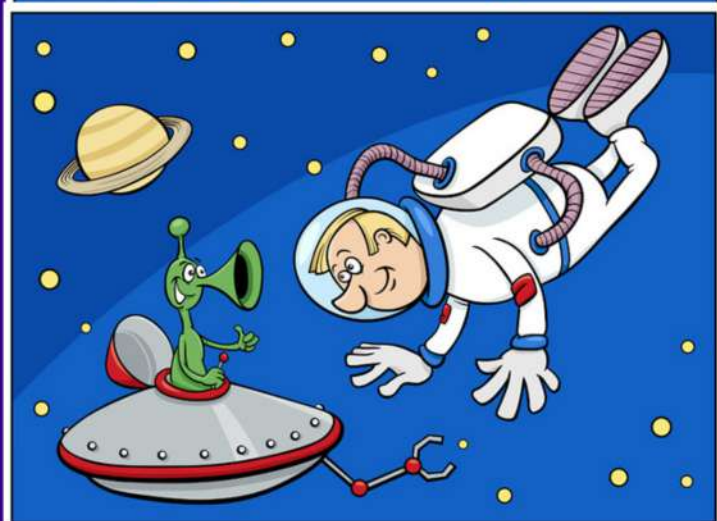
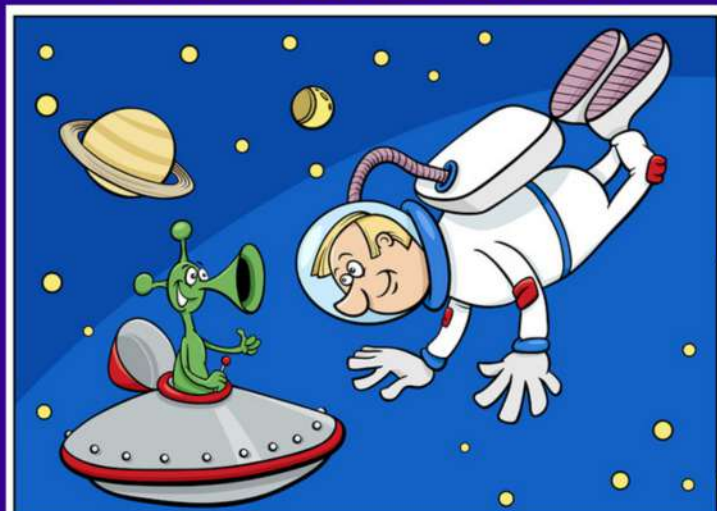
MOON
EARTH



CROSSWORD



Find 6 differences



Using just the letters in the word below, can you make at least 12 new words?

RULES: You may only use a letter as many times as it is shown in the key word. Each word must be at least 4 letters long.

GOOD LUCK!

ASTEROID

Riddle

I am bigger than Venus
but smaller than Uranus.

I am a living rock.
What am I??

