

Dwarf Planets

What is a Dwarf Planet?

Dwarf planets are beautiful celestial objects. They are smaller than planets and even moons, but they can have moons of their own, just like Pluto, who has Charon.



- Dwarf planets are relatively small; for example, the largest dwarf planet in our Solar System, Pluto, is two

times smaller than the smallest planet in our Solar System, Mercury.

- Pluto was considered a planet for a long time; however, after many other small planets were discovered, Pluto was classified as a dwarf planet.
- There are currently five confirmed dwarf planets in our Solar System, namely Pluto, Eris, Makemake, Haumea, and Ceres.

Dwarf Planets vs Planets

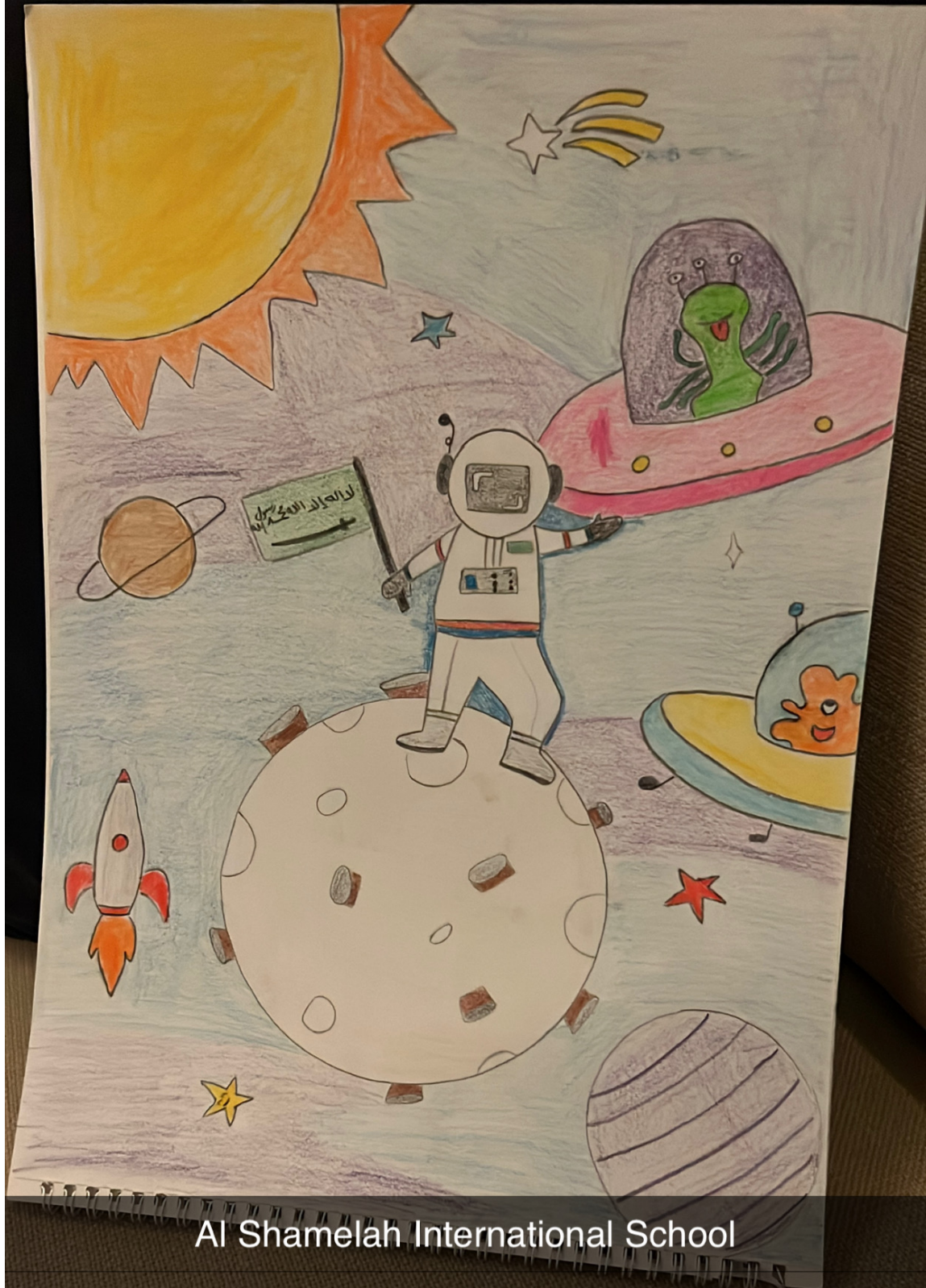


IAU Recognized 5 Solar System Dwarf Planets: Not to Scale

- There may be more dwarf planets near us, but they are yet to be confirmed.
- The largest of these dwarf planet is Pluto, while the smallest is Ceres.
- Ceres is also classified as an asteroid, the largest known in our Solar System.
- Pluto was considered a planet for 75 years. This changed in 2006 when Eris was discovered.
- Dwarf planets can have moons of their own. Pluto, for example, has a moon named Charon, and it is quite big.
- Some dwarf planets may have a ring system, just like Saturn does.

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Al Shamelah International School

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WORLD SPACE WEEK

- JUST ONE MINUTE WHILE YOU ARE WANDERING IN THIS LARGE SPACE AND CONTEMPLATING THE FULL MOON AND HOW THE STARS SURROUND IT TO PAINT A MIRACULOUS PAINTING, UNLIKE ANY OTHER, THE HEART FEELS AS IF IT IS FALLING TO THE REFINEMENTS OF COMFORT AND TRANQUILITY, THAT THIS UNIVERSE HAS A GREAT CREATOR WHO TAKES CARE OF IT

GOD THE CREATOR



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DEFINITION OF SPACE

- SPACE, IN TERMS OF LANGUAGE, IS A WORD OR LINGUISTIC TERM THAT IS APPLIED TO A WIDE AND SPACIOUS VOID. IT IS ALSO REFERRED TO THE EMPTY SPACE OF THE EARTH OR WHAT IS EXPANDED FROM IT. IN TERMS OF SCIENTIFIC TERMINOLOGY, IT IS AN INDICATION OF THE VAST VOID OF UNKNOWN SIZE IN WHICH MANY OTHER WORLDS ARE LOCATED. NO ONE KNOWS ABOUT IT EXCEPT ITS CREATOR. IT ALSO REFERS TO AREAS FAR FROM THE INFLUENCE OF EARTH'S GRAVITY. IT ALSO REFERS TO THE VAST AND VERY LARGE SPACE THAT SURROUNDS THE EARTH. THUS, IT IS THE NAME OF THE INHABITANTS OF PLANET EARTH FOR THE OUTER OCEAN THAT LIES BEYOND THE BOUNDARIES OF THE ATMOSPHERE.



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WHAT DO YOU SEE IN SPACE?

- SPACE IS TOO VAST FOR THE AVERAGE PERSON TO IMAGINE ALL OF ITS SECRETS, BUT SCIENTIFIC RESEARCH, SPACE MISSIONS, AND OBSERVATION THROUGH GIANT TELESCOPES AND OTHER SPACE EXPLORATION TOOLS HAVE REVEALED SOME OF ITS HIDDEN SECRETS, INCLUDING THE FOLLOWING:

- 1-GIANT AND LARGE STARS, INCLUDING THE SUN.

- 2-THE PLANETS, SOME OF WHICH HAVE A SOLID EARTH, SUCH AS THE EARTH AND OTHERS LIKE IT, AND SOME OF WHICH ARE GASEOUS, DO NOT HAVE A SOLID EARTH.

3-OBJECTS OF DIFFERENT SIZES.

4-OBJECTS OF DIFFERENT SIZES.

5-METEORS AND METEORS THAT CROSS THE VOID OF SPACE.



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SPACE IS WHAT?

- IT MAY SEEM TO ANY PERSON AT FIRST GLANCE THAT IT IS JUST A VOID THAT DOES NOT CONTAIN ANYTHING, AND THE TRUTH IS THAT SCIENTISTS' RESEARCH CONTINUES TO THIS DAY, THAT OUTER SPACE CONTAINS MANY COMPONENTS THAT ARE OFTEN INVISIBLE TO THE NAKED EYE, AS IS THE CASE WITH THE INVISIBLE AIR THAT RESIDES WITHIN OUR ATMOSPHERE, AND THEREFORE THE MAJORITY OF WHAT OUTER SPACE IS MADE OF COMES IN THE FORM OF VARIOUS GASES, DOMINATED BY HELIUM AND HYDROGEN, IN ADDITION TO OTHER GASES. IN ADDITION, ENERGY IS PRESENT IN VARIOUS PLACES, WHICH IS OFTEN REPRESENTED BY GIANT MAGNETIC FIELDS, NOT TO MENTION THE DIFFERENT TYPES OF EMITTED RAYS, DUST PARTICLES, AND MATERIALS. THE OTHER, AND THIS IS ALL RELATED ONLY TO THE VACUUM THAT EXISTS IN SPACE, WHICH FILLS THE VAST SURROUNDING SPACES WITH VARIOUS OBJECTS SWIMMING IN OUTER SPACE.



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**CONCLUSION OF A SCIENTIFIC ARTICLE ABOUT
SPACE**

- WITH THIS STRANGE AND WONDROUS INFORMATION ABOUT OUTER SPACE, WE HAVE PROVIDED THE MOST IMPORTANT INFORMATION THAT ONE MIGHT NEED TO KNOW ABOUT THIS BROAD SCIENTIFIC FIELD, WHICH IS STILL IN A CONTINUOUS PROCESS OF EXPLORATION TO THIS DAY, AND IT IS ALWAYS EXPECTED THAT SCIENTISTS WILL ALWAYS AMAZE US WITH A NEW DISCOVERY THAT MAY HAVE AN IMPACT. DIRECTLY ON OUR LIVES IN THE NEAR OR DISTANT FUTURE.

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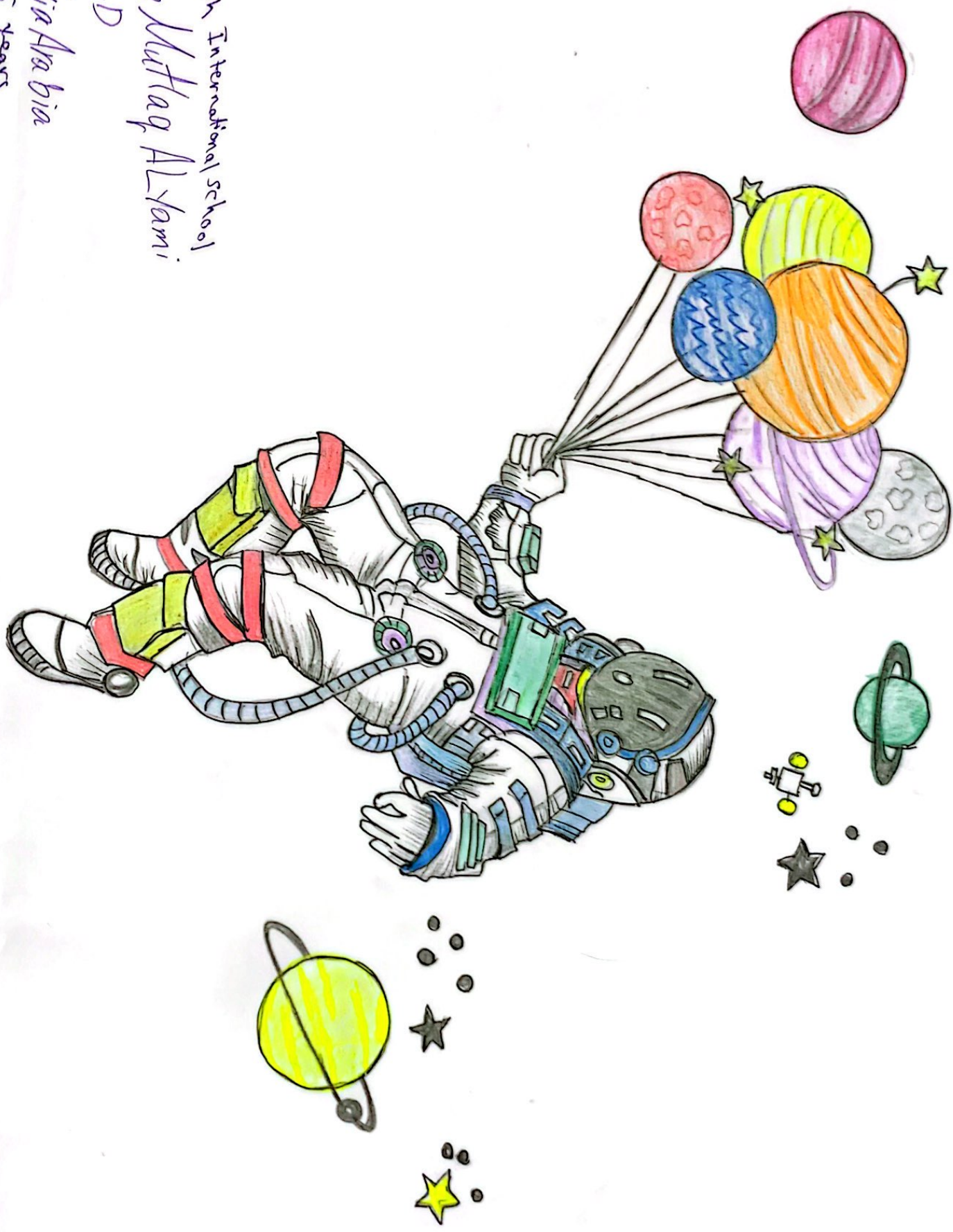
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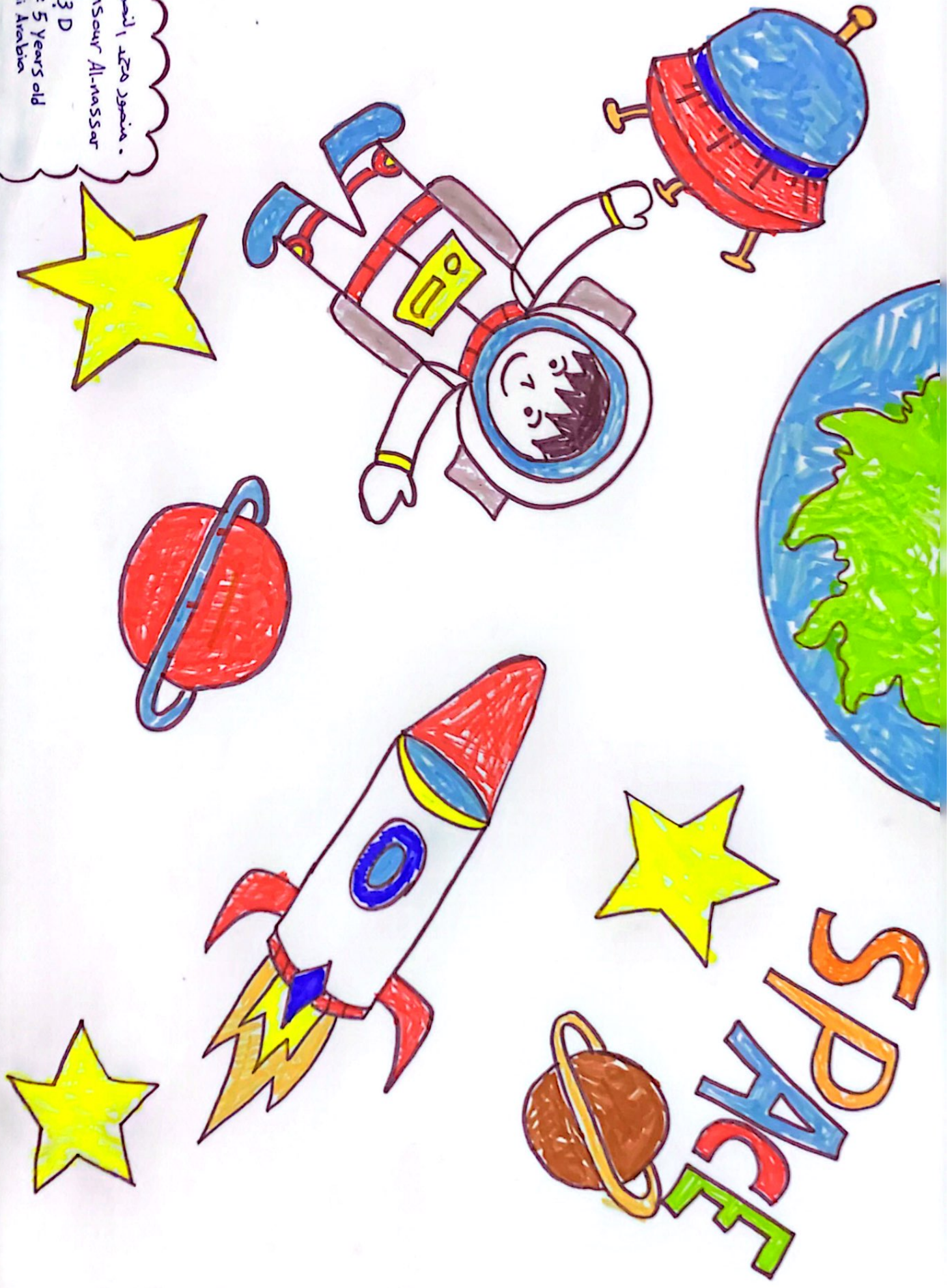


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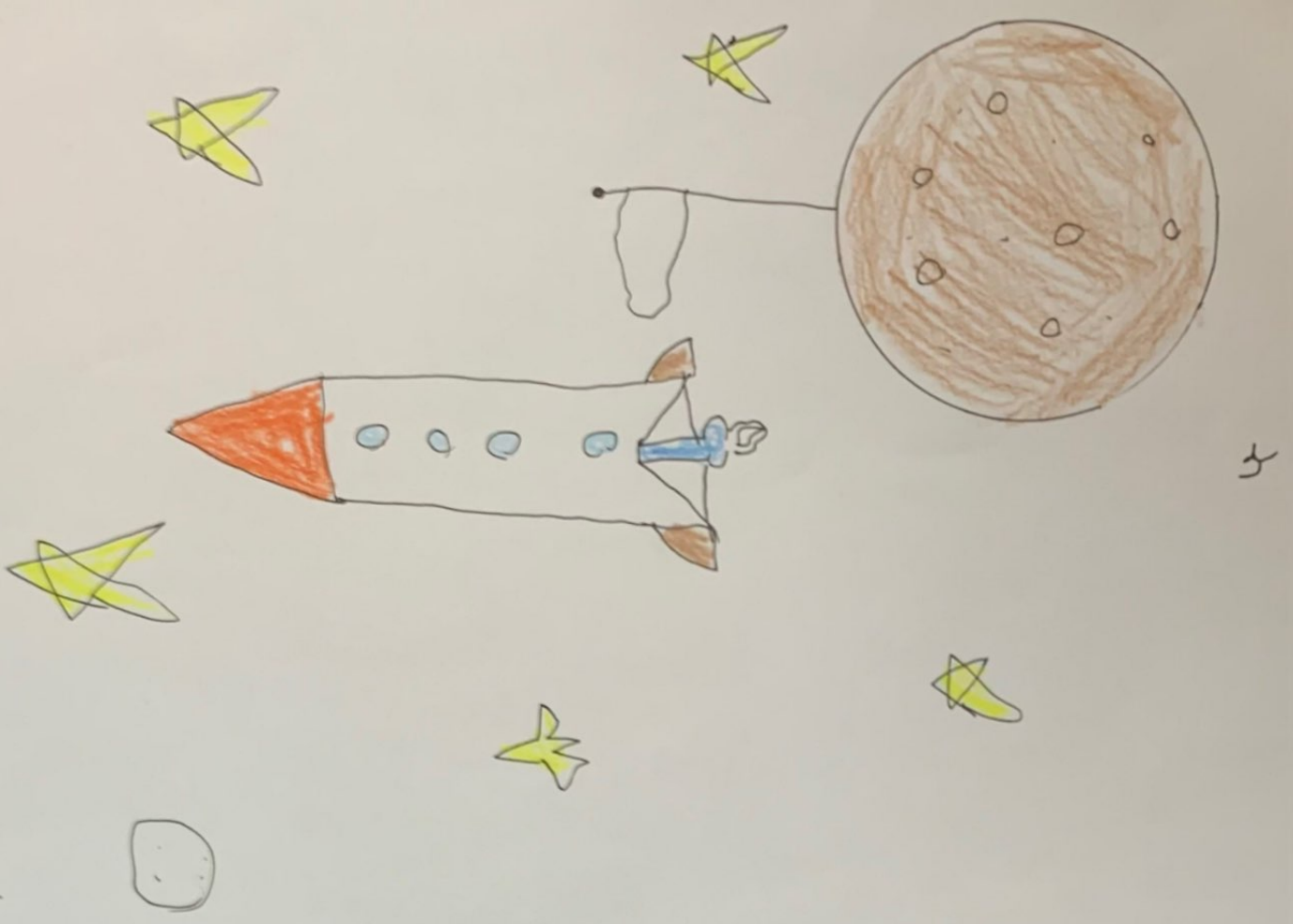
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Matraam Eshazhi
K9 3D

Mysha 3B
Aymah

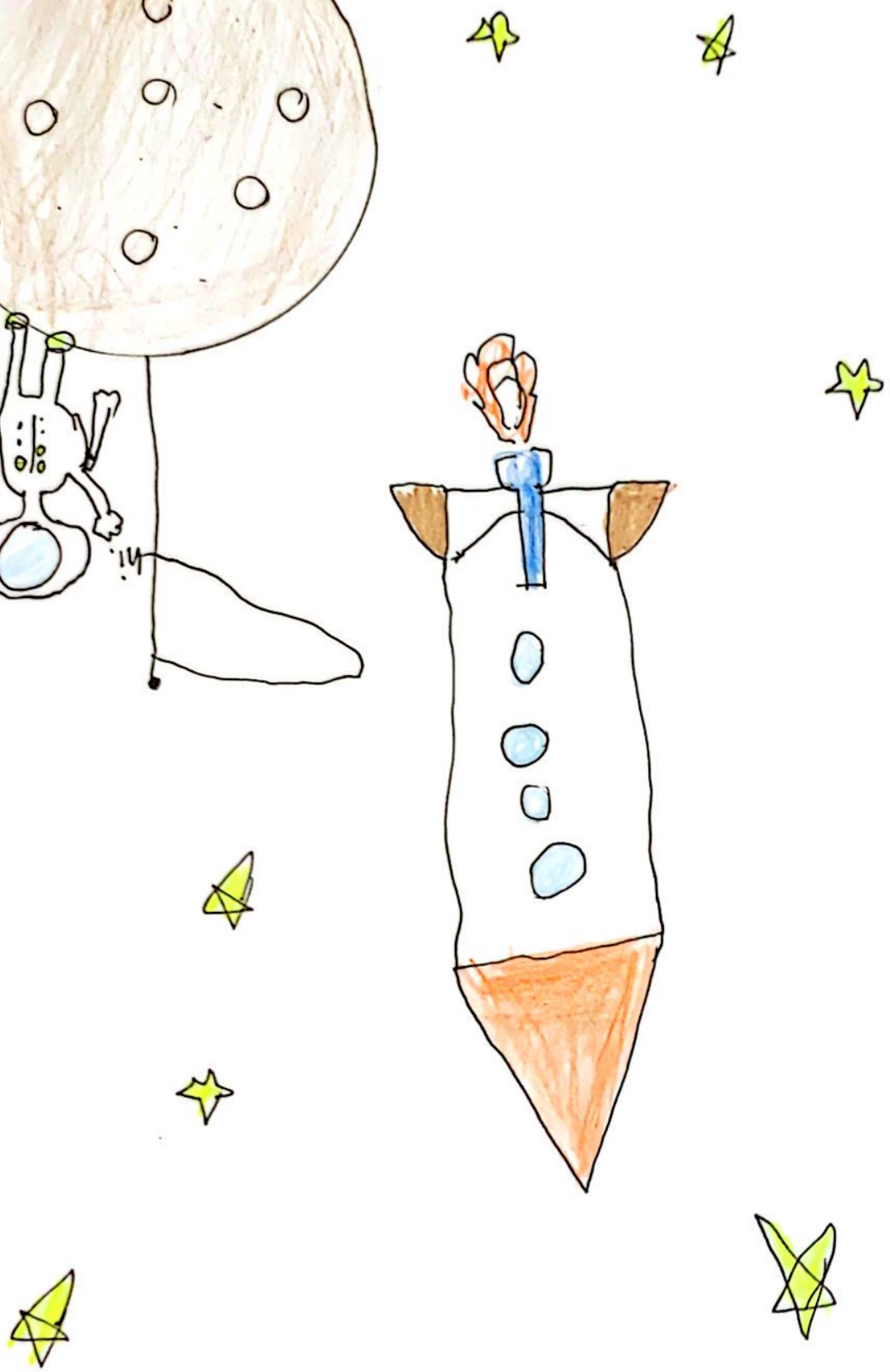
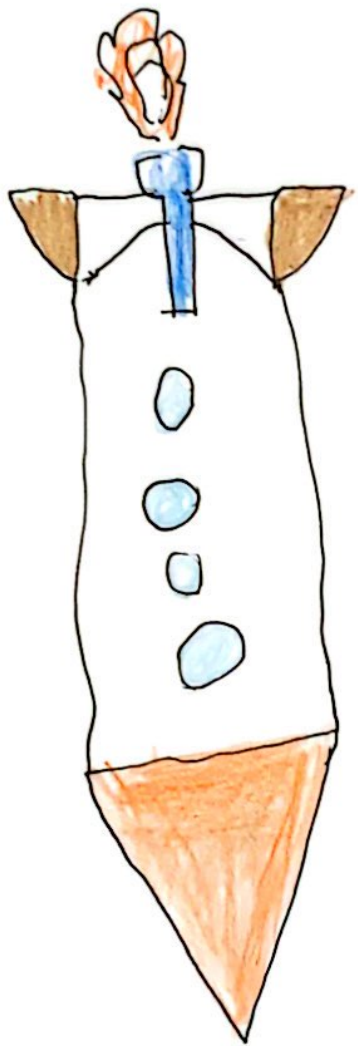
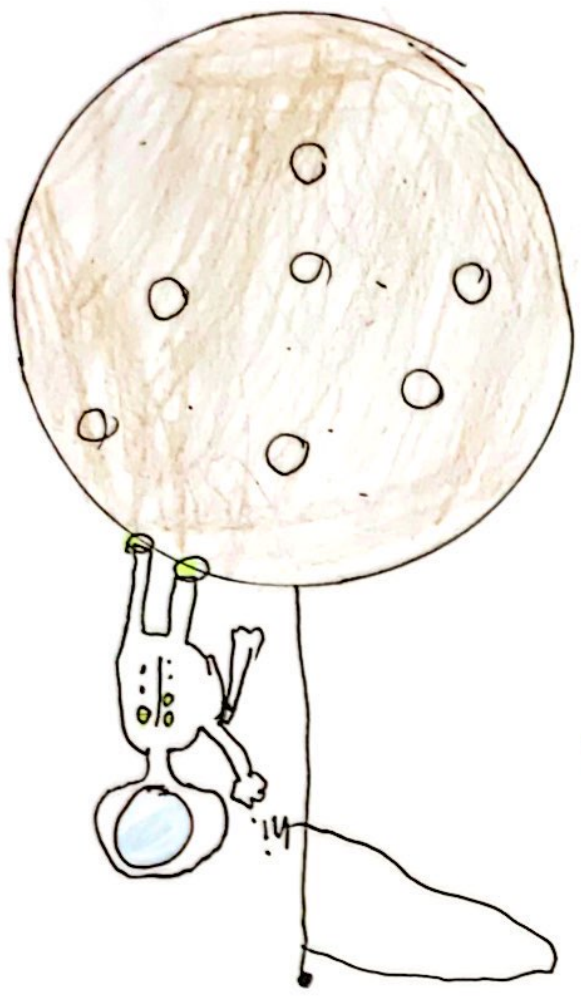


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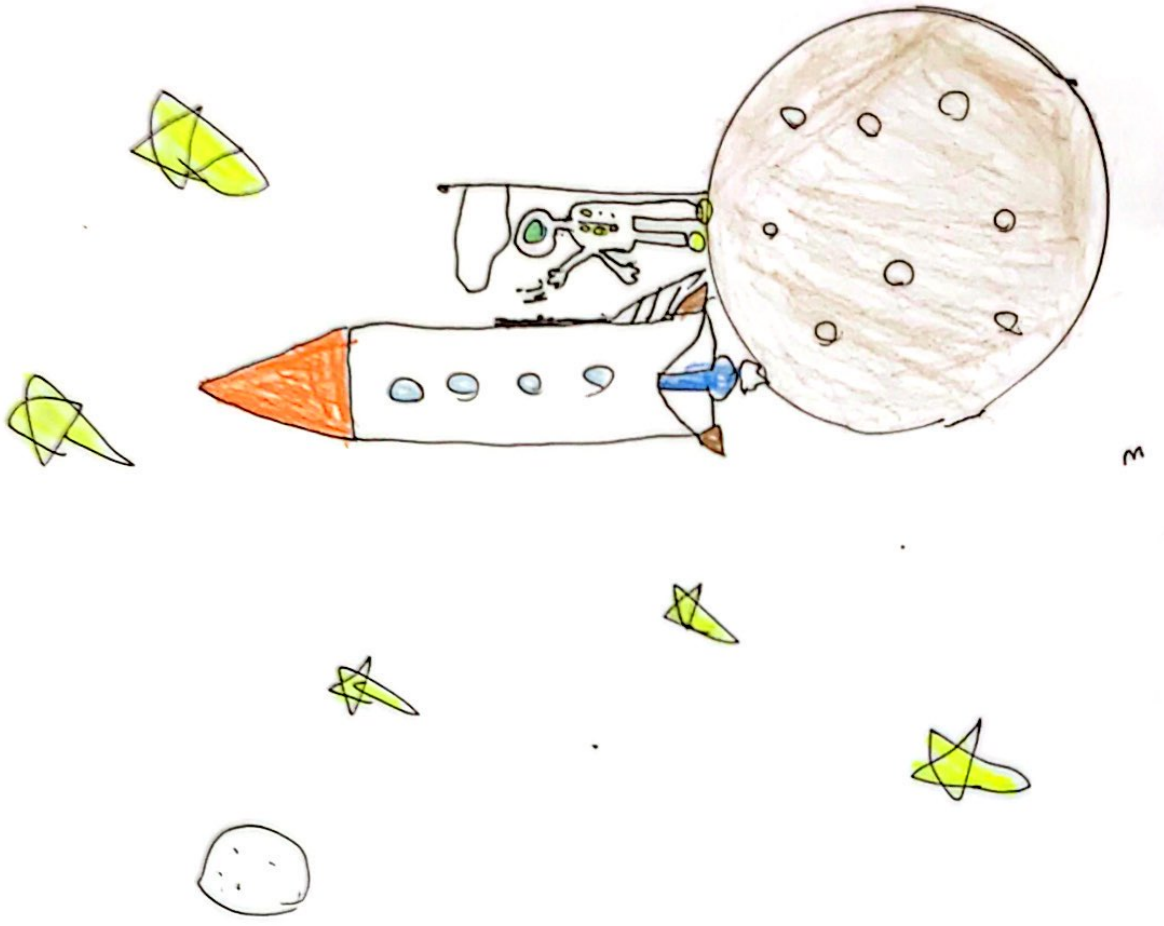


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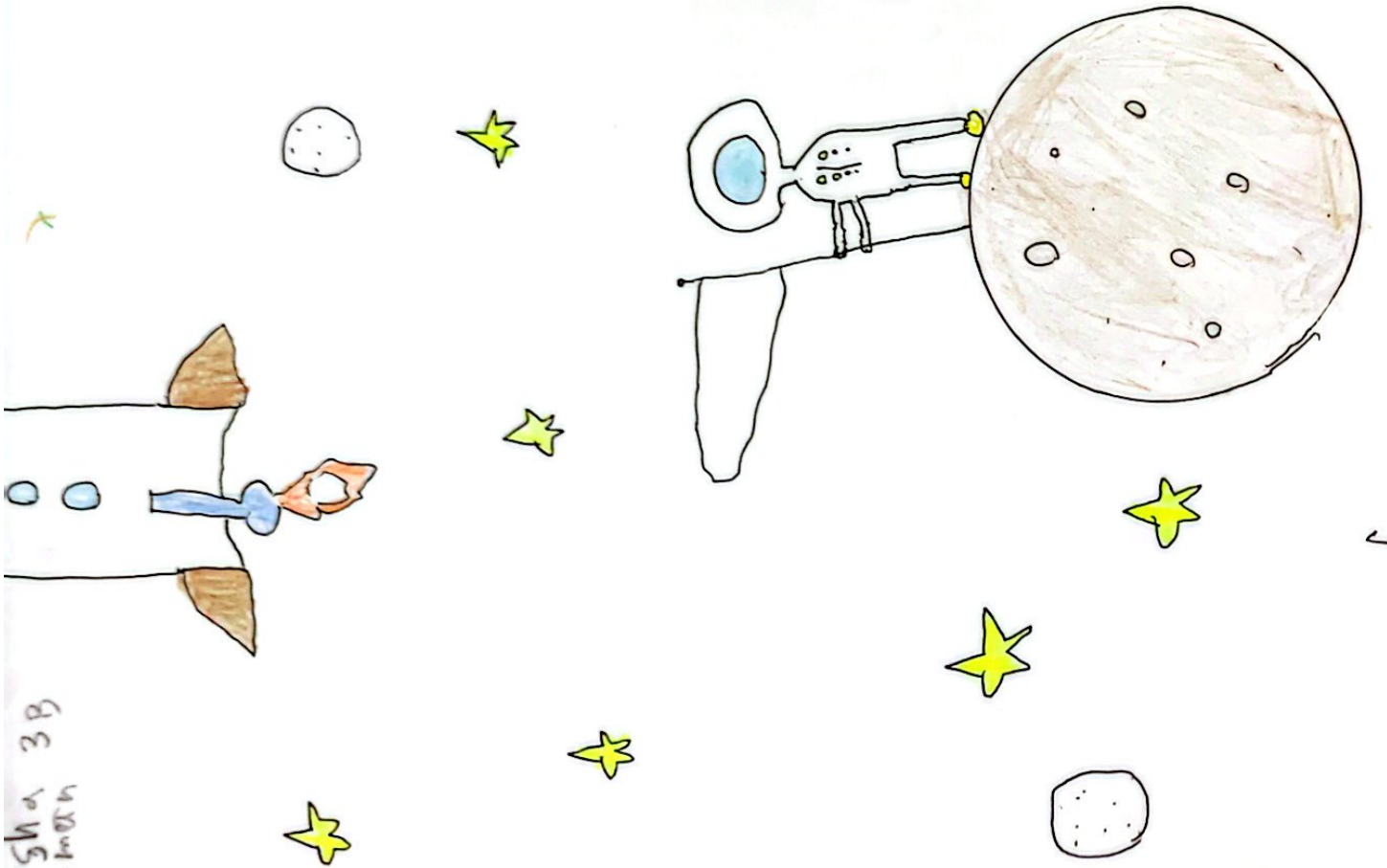
Aysha 3B
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Aysha 3B
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SOLAR SYSTEM





SPACE



WHAT IS SPACE?

A BOUNDLESS THREE-DIMENSIONAL EXTENT IN WHICH OBJECTS AND EVENTS OCCUR AND HAVE RELATIVE POSITION AND DIRECTION.

SPACE IS AN ALMOST PERFECT VACUUM, NEARLY VOID OF MATTER AND WITH EXTREMELY LOW PRESSURE.

FUN FACTS ABOUT SPACE:

- ✦ URANUS IS THE COLDEST PLANET IN THE SOLAR SYSTEM
- ✦ THE MOON REFLECTS LIGHT FROM THE SUN
- ✦ IN OUR SOLAR SYSTEM THERE ARE 8 PLANETS
- ✦ OUR SOLAR SYSTEM IS AROUND 4.571 BILLION YEARS OLD
- ✦ IT IS COMPLETELY SILENT IN SPACE
- ✦ A STAR IS A BALL OF VERY HOT GASES



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Space is a very mysterious and intriguing topic to talk about, and it has been my personal favorite to talk about and discuss with my friends and classmates. Space can be very scary and controversial sometimes, but it doesn't discard my excitement to study and present my feelings about it.

The word "Space" itself has multiple meanings, but the meaning I'm enthusiastic towards is the one that talks about black holes, planets, universes and potentially stars.

For example, the solar system is a star system containing planets revolving around the Sun. The planets look intriguing at some point, when you look at Saturn, Neptune, or Mercury, you'd realize something looks different about them. They make you feel weirded out, yet curious about them. That's the gracefulness of space.

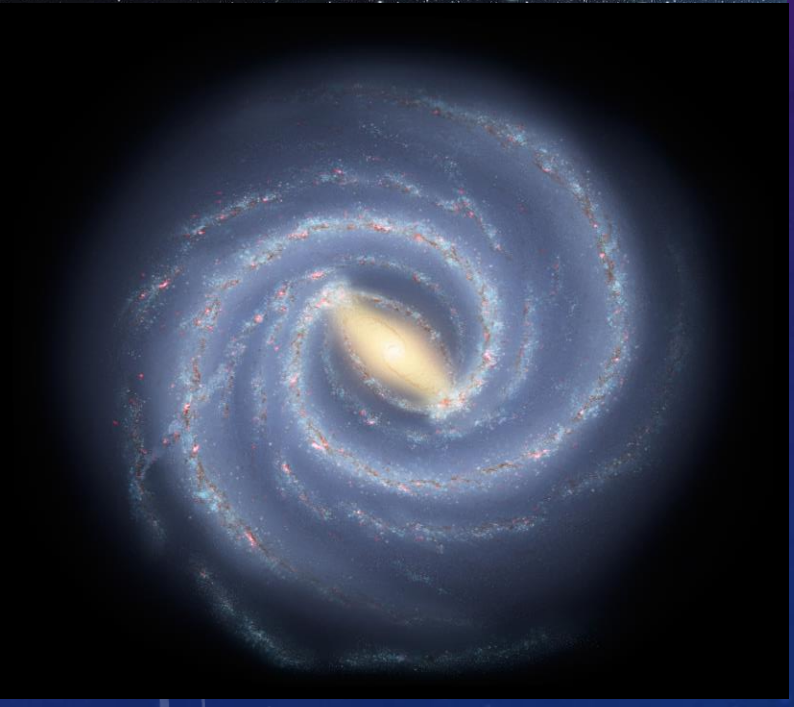


The last attractive point about space that I want to talk about is about galaxies. Mainly our galaxy, the Milky Way.

In general, a galaxy is a system of stars, stellar remnants, interstellar gas, dust, and dark matter bound together by gravity. The word is derived from the Greek galaxias, literally 'milky', a reference to the Milky Way galaxy that contains the Solar System.

The Milky Way is a huge collection of stars, dust and gas. It's called a spiral galaxy because if you could view it from the top or bottom, it would look like a spinning pinwheel.

Space might seem intimidating at first glance, but I have been amused by how much you can learn about space, and how you can exceed your information and knowledge by simply studying galaxies, since there is so much to learn and discover about. I hope you can understand my point of view, as I'm trying to convince you.

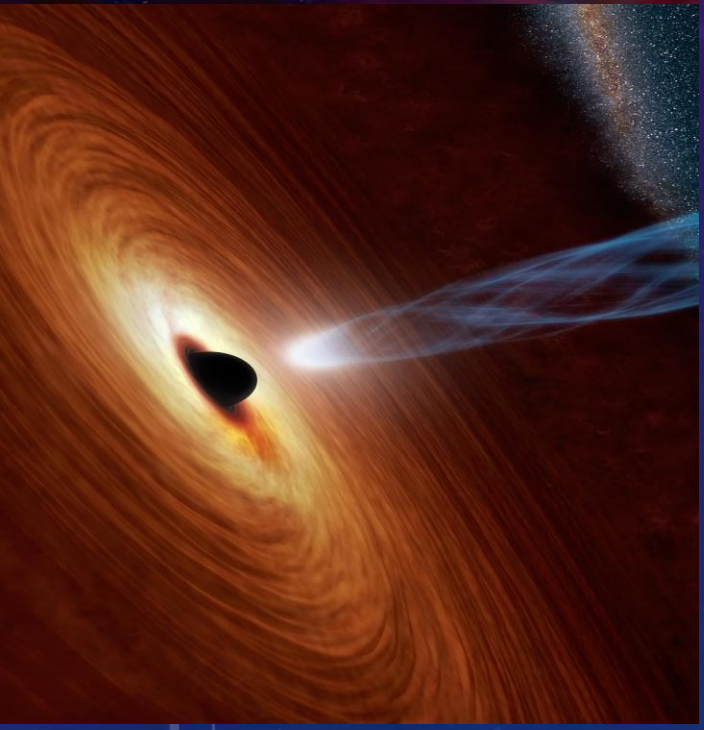
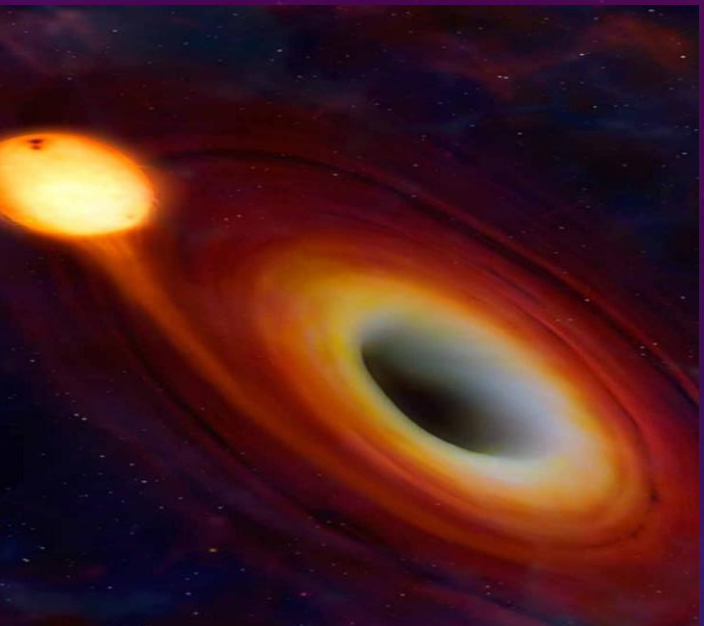


Another magnificent and appealing thing about space are black holes. At first glance, they might seem scary and horrific, but they're very fun to study and acknowledge. Black holes are divided into 3 categories based on their mass.

The first type are stellar-mass black holes. These black holes are formed by the gravitational collapse of a star. When massive stars collapse, a black hole is possibly formed. They have masses ranging from about five to several tens of solar masses.

The second type are supermassive black holes. These black holes are millions, if not billions, of times as massive as the Sun. They lie at the center of virtually all large galaxies.

The third and last type are intermediate-mass black holes. They weigh slightly more than stellar-mass black holes, yet weigh slightly less than supermassive black holes, meaning they are in the middle. They form when multiple stellar-mass black holes undergo a series of mergers with one another.





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