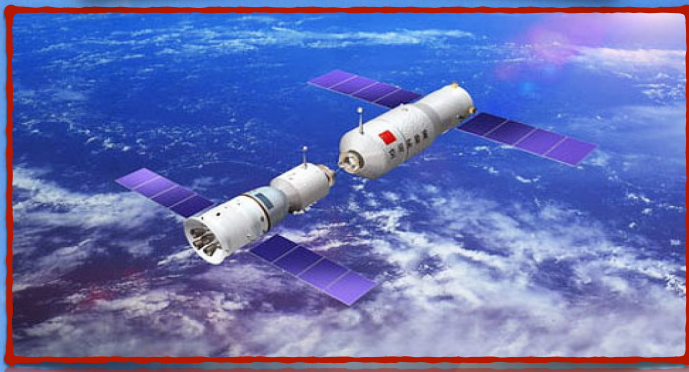




China's space programme started in the 1950s. It is a source of pride for the Chinese people and represents the incredible progress China has made in its modern history. Today, China's space program is aimed at eventually sending astronauts to the Moon and beyond. In addition to those types of launches, China has built and orbited two space stations and sent hundreds of satellites into space. They have also landed the Tianwen Rover on Mars!

## Tiangong Space Station



The Tiangong space station is a space station being constructed by China in low Earth orbit between 340 and 450 km above the surface. Being China's first long-term space station, it is the goal of the "Third Step" of the China Manned Space Program. Astronauts will live here for six months or longer.

## Xichang Satellite Launch Center



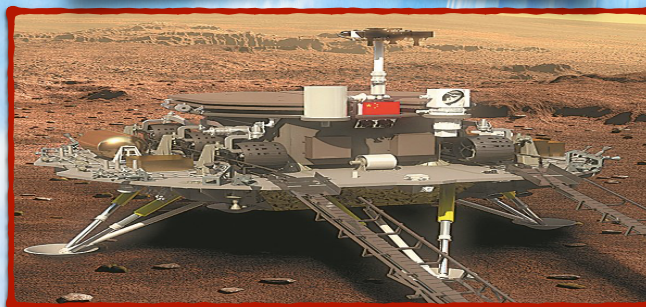
XSLC's state of the art facilities that provides support to every phase of a satellite launch mission. The Mission Command and Control Center is located 7kms west of the launch pad. It is the heart of flight and safety control during the launch. It is a very impressive space centre.

## Chinese Space Camp



Space is an exciting topic for children in China. The camp allows them to use their imagination and explore the universe learning about space. There are several space camps in China for children. Here, they experience some of the things the astronauts experience.

## Tianwen 1 Mars Rover



Tianwen 1 is a Chinese Mars mission that includes a lander/rover and orbiter that launched on 23 July 2020 and reached Mars in February 2021. The scientific objectives of the mission are to study Mars landscape and rocks, study the soil and its water-ice content, determine the composition of the surface material, profile climate, and environment, and try to understand the gravity and magnetic fields on the planet.



Above is a QR code. You can watch the videos of the China space ships launching into space. These events are an incredible achievement.





# LET'S LEARN ABOUT THE CHINESE SPACE PROGRAMME

## Wang Yaping



Chinese astronaut Wang Yaping made history when she became the country's first woman to do a spacewalk. Wang and fellow astronaut Zhai Zhigang, two of the three-member team currently at China's new Tiangong space station, successfully completed the 6.5 hour spacewalk. This was an achievement for women astronauts around the world.

## Zhai Zhigang



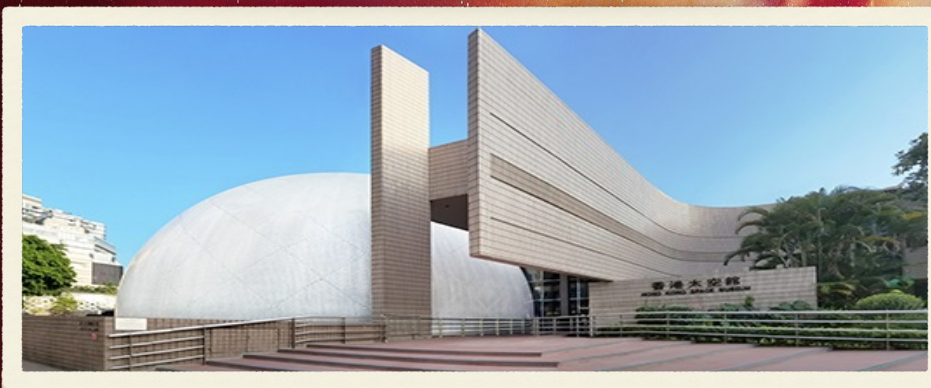
Zhai is the 1st Chinese astronaut to carry out a spacewalk in 2008, Zhai Zhigang is a decorated astronaut that showed the world that the Chinese space programme was growing and catching up with the rest of the world. He now trains other astronauts how to space walk.

## Yang Liwei



Yang is the first astronaut who was sent into space by the Chinese space programme. Yang Liwei was born in Suizhong County, Liaoning province. His mother was a teacher. Mission Shenzhou 5, made China the third country to send humans into space. He is currently a vice chief designer of China Manned Space Engineering.

## Hong Kong Space Museum



The Hong Kong Space Museum is located in Tsim Sha Tsui. It opened in 1980. It is the first local planetarium for the popularisation of astronomy and space science. The unique egg-shaped dome makes the 8000-square-metre museum one of the most famous landmarks in Hong Kong. Inside the Space Theatre, there is a hemispherical projection dome with the first OMNIMAX film projector in the eastern hemisphere. The Museum is also the first planetarium in the world to have a fully automatic control system at its Space Theatre. Each year, the Museum has a Sky Show using the digital planetarium projection system, and shows the best foreign OMNIMAX films and 3D Dome Shows to Hong Kong space lovers.

## Changzheng 5 Rocket



The Changsheng 5 Rocket carries the astronauts into space to the Tiangong Space Station.

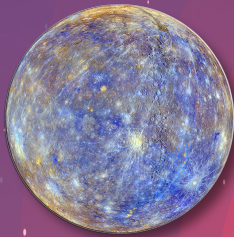
# OUR AMAZING SOLAR SYSTEM

**A** Sun



The Sun is at the centre of our solar system. It is 109 times bigger than earth and made of hot plasma. It supplies energy to all planets.

**B** Mercury



Mercury is the smallest planet in our solar system. It is the closest planet to the Sun. It is a very hot planet and also the fastest moving planet!

**C** Venus



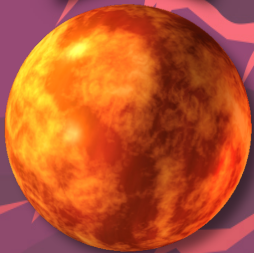
Venus spins slow in the opposite direction than most planets. It is the hottest planet and it has no moons. You can see Venus in the sky at night.

**D** Earth



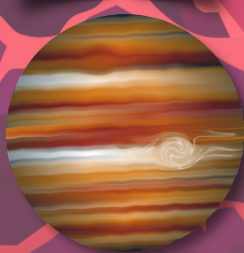
Our home planet is the only planet where living things can survive. It's the only planet that has liquid water on it. Home sweet home!

**E** Mars



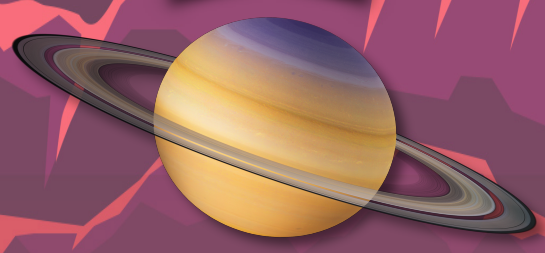
Mars is the closest planet to Earth. Its cold and dusty. There is evidence that Mars once had water and life on its surface.

**F** Jupiter



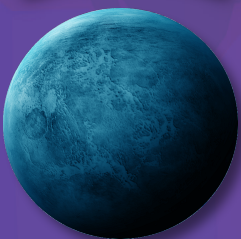
Jupiter is the biggest in our solar system. The round spot on Jupiter is massive storm that has been going for hundreds of years.

**G** Saturn



Saturn is one of the most interesting planets. It has a ring of ice, dust, gas and rocks. This amazing ring makes Saturn one of the most beautiful planets. Saturn has very strong gravity that keeps the rings in place.

**H** Uranus



Uranus is the 7th planet from the Sun. Not much is known about Uranus. There are many storms happening on the planet.

**I** Neptune



Neptune is the last planet in our solar system. It is a cold and dark planet. It has very strong winds blowing constantly.

## Questions

1. Which planet is our home planet?
2. Which planet has rings around it?
3. Which planet is the biggest planet?
4. Which planet is the closest to Earth?
5. Which planet is last planet in our solar system?
6. What is made of plasma and supplies earth with energy?
7. Which planet is the smallest?
8. Which planet is the 7th planet?
9. Which planet is the hottest planet?

**A** **B** **C** **D** **E** **F** **G** **H** **I**

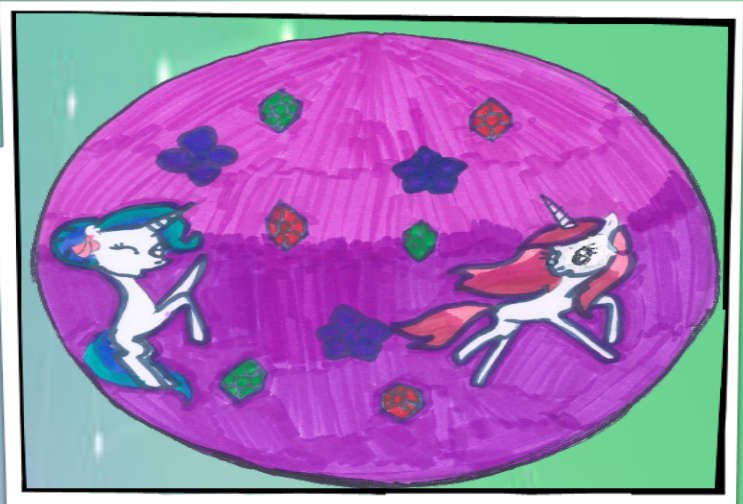
Cut out your answer sheet and place it in the Smarties box on the 3rd Floor. Name: \_\_\_\_\_ Class: \_\_\_\_\_

# T.Y.C.Y Creative Writing - Dream Planets



**Planet Dice - George Au Class 4E**

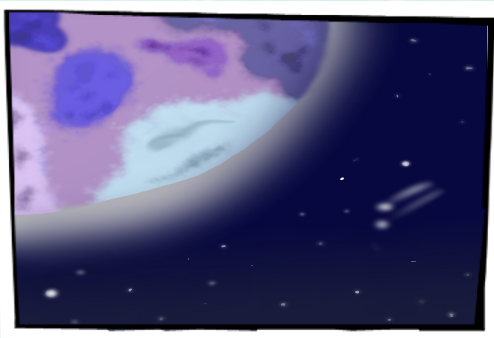
My name is George Au. I have created a new planet called, Dice. I named it Dice because it looks like a cube. There are different landscapes on each side of the cube: Deserts, Grasslands, Rainforests, Polar, Oceans and Mountains. There are beautiful views everywhere. Some friendly aliens live there too. They look very funny. Each of them has six eyes, two noses and four mouths. I want to take all of the people from the Earth to Dice because the atmosphere there is nice. It also gives us fresh air. I hope Dice will be another liveable place for humans. Do you want to go there with me?



**Gem World - Zoe Chan Class 5A**

Hi. I'm Zoe from class 5A. Let me introduce you to my new planet, Gem World. It is 10000 km from Earth. There is a sparkly golden empire. Gem World is decorated with gorgeous diamonds. Some magical Crystal Ponies live at the empire. They don't have a ruler. They don't need one. They live with each other in peace and harmony. The houses on Gem World are decorated with fabulous emeralds and red rubies. There is also a beautiful park filled with statues made of sapphires and benches made of moonstones. The Ponies love the park. Gem World is a wonderful place and I hope people can travel to this amazing planet in the future.

## Dream Planet



**Keiren Fong - Class 6A**

My dream planet is a beautiful planet which is filled with fun and imagination. It is far away in the big Galaxy. It is colourful and it is a dazzling place to live on. The colours of my dream planet are pink, blue and violet. On this beautiful planet, there would be many countries. Just like our planet, the people in different countries would have different cultures and languages. Although my dream planet is a made-up planet, I still hope that astronomers can find a beautiful planet which is like how my dream planet looks like!