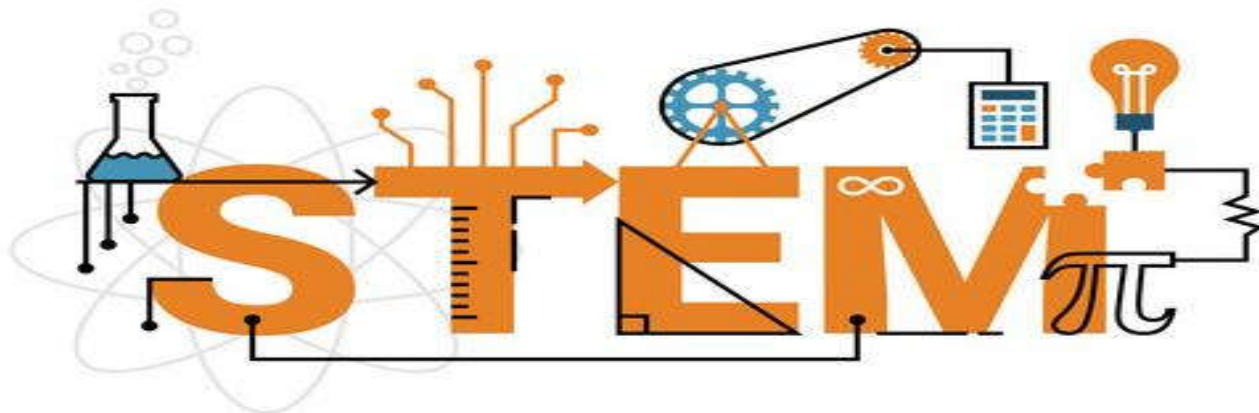


HNYP Post

2016 - 2017

June 2017



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Editorial

Have you heard the saying, "Science is all around?" It's really true! From the air we breathe, to using Maths at the supermarket and making the bus move, science is everywhere.

It makes sense to understand more and more about science. That's why many schools, including HNYP are having so many '**STEM**' activities. It's all about learning through doing and having plenty of fun.

Miss Tao recently showed me a wonderful, moving, talking robot, controlled using an app on her phone. It was fascinating and children enjoyed learning and working with it.

So this issue is devoted to our school's wonderful **STEM** activities this year. Please enjoy our fourth edition of HNYP Post.

Mr. Gilbert



A Famous Scientist

Have you had an x-ray before? Let's find out who invented the machine.

Marie Curie – X-Ray Machine Inventor

Marie Curie was a famous scientist. She was born in Poland.

Marie Curie wasn't always a famous scientist. Her family had five children and her parents were both teachers. They loved poetry, books and learning and taught their children many things. Marie had a very loving family, but they weren't always happy.



Their country was ruled by Russia. At that time, it was illegal (非法) for girls to go to school. However, Marie's parents did not care. They sent Marie to a secret school. Marie and her sister agreed to help each other go to college. Marie worked to pay for her sister's school. She secretly taught poor children how to read, which was also illegal. She thought all people should be educated. Later, Marie went to college. She became a brilliant scientist and discovered radium (鐳) and polonium (鉍). These two substances are radioactive (有放射性的).

Fun Facts about Marie Curie



- Marie discovered radium and polonium.
- Marie and her husband won a Nobel Prize for their work. She later won another Nobel Prize.
- Marie's family ran a secret school.
- Marie's sister, Bronia, became a doctor—unusual for women then.
- Marie's husband, Pierre, was a scientist too. He and Marie often worked together.

Adapted from: <http://easyscienceforkids.com/all-about-madame-curie/>

Q and A

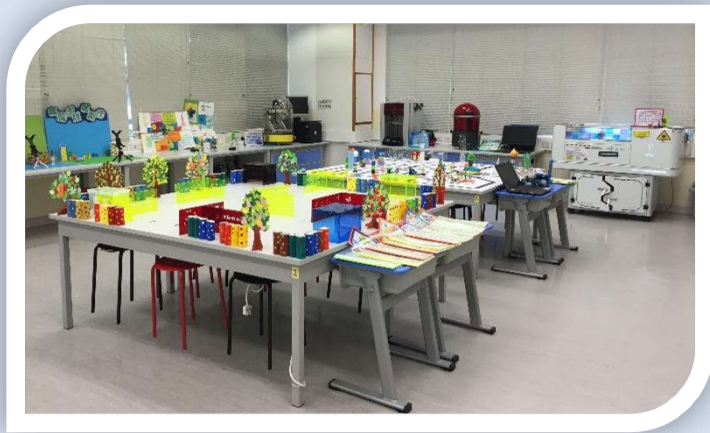
1. Where was Marie Curie born?
a) Hong Kong b) Poland c) England
2. How many people were there in her family?
a) 4 b) 7 c) 10
3. What job did her parents have?
a) Scientists b) Cleaners c) Teachers
4. Why was it difficult for Marie to get educated?
a) She was poor.
b) She liked science.
c) She was a girl.
5. Who did Marie get married to?
a) A teacher b) A scientist c) A doctor



1. b 2. b 3. c 4. c 5. b

THE AMAZING 3D Innovation Square

Hello, HNYP kids! Have you ever dreamt about making your own toys or being a product designer? In our **3D Innovation Square**, there are some extraordinary (驚人的) machines which can turn your imagination into reality. Let's check them out one by one!



Telephone stands, clocks and key holders made by **CO2 Laser Cutting Engraving Machine!**



CO2 Laser Cutting Engraving Machine, the most eye-catching and the bulkiest machine in the room. This machine can do

laser cutting and engraving (雕刻) on paper, wooden and plastic boards. You can make creative and fancy clocks, keyholders, and even rubber band guns with it! What's more, it's an environmentally friendly device. Its carbon filtration (過濾) system can filter more than 99% of toxic gases and dust produced during the cutting process to provide a better environment. In short, the **CO2 Laser Cutting Engraving Machine** is just as amazing as it looks, hi-tech, multi-functional, and environmentally friendly.



Compared to the **CO2 laser Cutting Machine**, these two machines seems to be smaller and cuter. However,

they can do something that the big one can't - **3D printing!** It is a technology (科技) which builds real objects from virtual design. This is done by "cutting" the virtual object in 2D slices and printing the real object slice by slice. You can make your own toy figures, cars, jewelry and even watches with it! Just have your design ready in your laptop and put in the materials you need for your products, then the **3D printers** will print out what you want!



3D key holders, phone stands and toy weapons made by the **3D printers!**



Let's have a look at the sculptures made by the **Mini CNC Machine!**



More than meets the eye, the **Mini CNC Machine** (i.e. Computer numerical control) is as useful as the 3D printer. The computer in it controls every move during the **carving** (雕刻) process so the machine is good at making fine products.

You can create delicate handicrafts like toy furniture and sculptures (雕塑) with it!

The introduction of the amazing machines is over but the journey for you to become a brilliant inventor has just begun!
Come and Join us in **3D Innovation Square!**

LET'S MAKE A TABLETOP HOVERCRAFT!

What you need:

- an old CD or DVD disc
- a balloon
- sports bottle cap (push-pull style)
- some tape



Instructions:

Step 1:

Cover the center hole of the CD with a piece of tape and make 6 holes on the tape with a pin.



Step 2:

Fix the cap at the centre of the disc with the tape. Make a good seal to keep air from escaping.



Step 3:

Blow up the balloon and pinch the neck of it. Make sure the cap is closed and fit the neck of the balloon over the pop-up portion of the cap.



That's it! When you are ready to start hovering, just put the hovercraft on a smooth surface and pop the top open! Have fun!



Check out the video tutorial on YouTube:
https://www.youtube.com/watch?v=Ac9Oxtc_Xeg

Story Writing Competition 2016-2017

The Dragon

by Himman Wong (2C)



We made a **dragon**.
 We gave him two **eyes**.
 We gave him a big **nose** and a **mouth**.
 We gave him a long **tail**
 and sharp **teeth**.

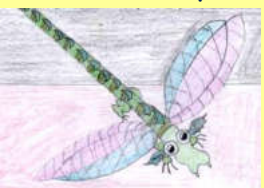


Oh! Cool.

SIR SMALL and the DRAGONFLY by Holly Li (6A)



Long, long ago, a tiny knight rode his trusty ant into the town of Pee Wee. In Pee Wee, the tallest person was no taller than a toothpick. The biggest house was no bigger than a shoe box. The tiny knight stayed in the town.



One day a dragonfly flew over the town. Everyone ran away. The dragonfly came down. WHOOSH! Up went Lady Teena. The dragonfly had taken Lady Teena to its cave.

'Who can save her?' asked the king. All people in the town were too scared to say a word. 'I am not scared,' said the tiny knight.

'You? Who are you?' asked the king. 'I am Sir Small. I have my sword. It is the size of a pin. I have my shield. It is no bigger than a penny. And I have my trusty ant,' answered Sir Small. The king laughed, 'You are even smaller than we are!'



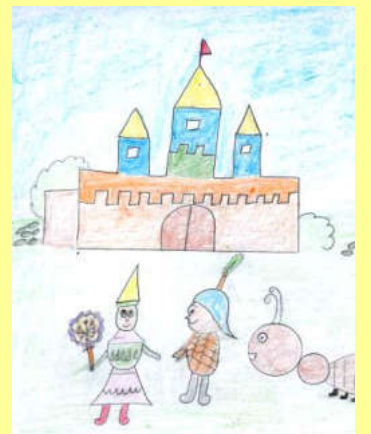
'I am small, but I am brave. I will save Lady Teena,' Sir Small said.

Sir Small rode to the cave of the dragonfly. The dragonfly was sleeping. Sir Small found Lady Teena and said to her, 'I have come to save you. Don't be scared. We will ride on my trusty ant to go away.'

'Thank you for coming here to save me,' said the princess.

Soon, the dragonfly woke up and flew after Sir Small and Lady Teena. It came closer and closer. But they were not scared. Suddenly, there was a big rock in the front. They quickly stopped but the dragonfly hit the rock. It died.

Finally, Sir Small and the princess got married and lived happily.



Story Writing Competition

2016-2017

I like Robots by Nokman Wong (1B)

The Lovzly Pink Cat by Ruby Tin (4A)

Once upon a time, there was a lovely pink cat who had a bag of fish. 'I will take it home and make fish cake,' Cat thought.



On the way home, Cat met three friends, Dog, Rabbit and Panda.

Cat asked her friends, 'Will you help lift my bag of fish?'



'No,' her friends replied.

'Then I will make it by myself,' Cat said.



Two hours later, the fish cake smelled so good!

'Who will help me eat the cake?' Cat asked her friends.



'You did not help me lift my bag of fish so I will not share my fish cake with you!' Cat said.

Dog, Rabbit and Panda were so unhappy!

1 I like ROBOTS .	2 BLUE robots.	3 YELLOW robots.	
4 Any kind of ROBOTS .	5 Robots in a BOX .	6 Robots in a BAG .	7 I like ROBOTS .

In a Big, Big Hotel by Eunie Wong (3A)

In a **big, big** world, there was a big, big country.

And in that **big, big** country, there was a big, big place.

And in that **big, big** place, there was a big, big hotel.

And in the **big, big** hotel, there was a big, big room.

And in that **big, big** room, that was-

A FAIRY!



The Little Ant, the Sweet Candy and the BIG CAT by Eric Wang (5A)

Hello, Little Ant, where are you going?
Oh! I see. Are you going to get that sweet candy?
But, Little Ant, haven't you heard about Big Cat?

Oh! Big Cat can smell a sweet candy a metre away.
Meow! Meow! Meow! The cat will run through the house on his long feet, and SNIFF! SNIFF! SNIFF! Find the candy. No matter where it is hidden.

I will hide it under the table.
Or how it is disguised. Now the sweet candy looks like a red bow-tie.
Quick! There's only one way in the whole wide world to save a sweet candy from Big Cat.
I can hide the candy in my home because the doorway is very small so the cat cannot enter.
Now, that's one sweet candy Big Cat will never get!



This story tells us to try different ways to solve our problems.

