

JULY 2021

WISH UPON A STAR

•• **ENJOY
ANIMALS!** ••

Use Your 3-D
Glasses !

•• **EXPLORE!** ••

Poetry,
Maths,
Origami &
Stories !



•• **WIN
PRIZES!** ••

Senior & Junior
Competitions !

•• **DIY FUN!** ••

Experiments
& Crossword
Puzzle !

•• **PULLOUT
POSTER!** ••

Look Inside !

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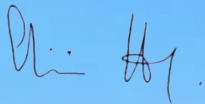


Editorial

Dear Readers,

It is with great excitement that we present this inaugural issue of the magazine created with the children in mind! We are, however, quite confident that the young at heart will enjoy browsing this first ever issue of the publication "WISH upon a star" just as much as we enjoyed creating it. Let me share our story, that has brought us to this point.

The W.I.S.H Foundation was born out of a desire to share the excitement of Science, Technology, Engineering and Mathematics, commonly referred to as STEM fields nowadays, with children who perhaps did not always get ample opportunity for such. This was not to be an isolated exercise but encompassed a greater vision of bringing goodwill to the children's homes we engaged, by assisting the children and the homes with essential items, as well as promoting a love for reading with library upgrades and providing academic mentorship and lessons where needed for the children. A month dedicated to Science activities is part of the calendar of events as well.



Dr. Shirin Haque

Editor & Founder, CEO of the W.I.S.H Foundation.

Anthony Sabga Caribbean Awards for Excellence - 2020 Laureate in Science & Technology.

This publication is part of the library upgrade initiative where we wanted to produce a magazine that the children could call their own!

The W.I.S.H Foundation came to life in December 2020, and within a few months, we had developed a vibrant membership of university students and other persons anxious to support our vision.

This magazine could not have been possible without them. The entire editorial team is composed of volunteer efforts from the membership including the executive of the Foundation. Their creative talent speaks for itself as I am sure you will see among the pages of this inaugural issue.

We WISH to thank everyone who has supported us in all our initiatives! To the children - we hope we have provided some brain food, excitement and wonder about the world we inhabit, that you can enjoy in the pages of this magazine which we made especially for you!

Board of Directors



Dr. Shirin Haque
Astronomer
CEO/Founder



Mr. Deva Sharma
Registered Architect
Director



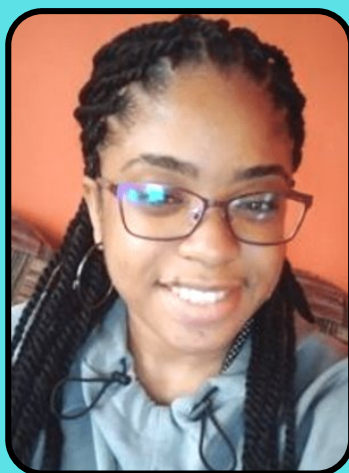
Ms. Darnelle Hamilton
Teacher
Secretary

Meet Our Executive Team



Bhanumattee Ramdhanie is a graduate of the University of the West Indies with a BSc in Chemistry minoring in Analytical Chemistry and MSc in Occupational and Environmental Safety and Health. She has been involved in research for a number of years with focus on the environment. The goal of bringing science, and by extension STEAM, to children who may not typically have such an opportunity, is her sole purpose for joining the WISH Foundation. She says, "I am the scientist I am today because someone exposed me to the sciences many years ago. It is my sincere hope to pass it forward."

"By doing our best we shall come nearer to success and that success in our aims (the improvement of the lot of mankind, present and future) is worth attaining" - Rosalind Franklin.



Darnelle Hamilton graduated with a B.Sc. Physics and minor in Education from the University of the West Indies. She currently works in the Mathematics and Science department at Corpus Christi College of Occupational Education and Training. Although she pursued both science and business throughout her academic years, it was astronomy and a general curiosity that had been the major incentives for her to explore the field of science further. Aside from academia, she enjoys dragon boating, volunteering and photography whilst aspiring to dabble in astrophotography.

"Don't let anyone rob you of your imagination, your creativity, or your curiosity. It's your place in the world; it's your life. Go on and do all you can with it, and make it the life YOU want to live." – Mae Jemison.



Michelle Siewah graduated with a BSc. Biomedical Technology in 2019. Her passion is and always will be helping others in any way that she can which is why she chose to have a career in the medical field as well as education. Her main goal is to one day become a doctor to help those who can't help themselves.

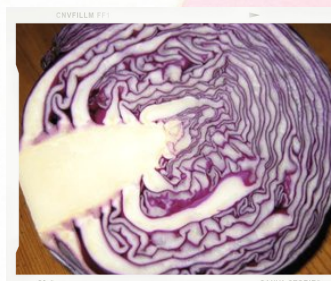
"Success has nothing to do with what you gain in life or accomplish for yourself. It's what you do for others." – Danny Thomas

Is it Magic? DIY Activity! Or Science?

How would you like to do a Science magic trick?

YOU NEED:

- ✓ Purple Cabbage
- ✓ A Jar
- ✓ Water
- ✓ Strainer
- ✓ Small Cups
- ✓ Small Dark Bottle
- ✓ Everyday solutions
e.g. Juices, Soft Drinks, Vinegar
or Baking Soda mixed with Water



Now let's get started!

Safety first! Always have an adult help when trying at home experiments.

STEP 1: Break the purple cabbage into small pieces and place into a jar. Add tap water to cover the cabbage pieces, cover the jar and shake. When the water becomes a dark purplish blue, it is ready.

STEP 2: Strain to separate solid from liquid. The liquid is our magic solution so keep it safe in the small bottle and store in a dark space. Reuse the cabbage until no more coloured solution is formed.

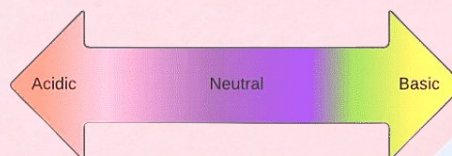
STEP 3: Carefully pour small amounts of the everyday liquids that you will be using into individual small cups. To be able to see a colour change, avoid using dark coloured liquids.

STEP 4: Add some of the magic solution into the cups and observe. This is where the magic happens! Well, not really magic. It's Chemistry!

Here is what happened: Anthocyanin, the pigment which gives this purple cabbage the distinctive colour, is water soluble thus moves from the cabbage to the water. When anthocyanin interacts with solutions, it changes colour depending on the pH of the solution. pH is a measure of how acidic or basic a substance is.

How do we tell if a solution is acidic or basic?

For this little magic trick, the colour scale to the right will help.



Bhanumattee Ramdhanie

A Journey To Other Worlds!

Natty was excited about her interview with an Astronomer. The Astronomer was someone who studied the universe trying to understand the science behind everything. Sometimes, they looked through telescopes to do so and other times they worked on their computers making models of things in space, using Mathematics, Physics and programming.

Today Natty was going to find out all about planets that are outside our own solar system and one that was very special to Trinbagonians.



Natty

Hello Professor! I understand you are an astronomer and work at the University in Trinidad?

Astronomer



Indeed Natty! I always wanted to be an astronomer since I was a little girl.



Professor, are there planets outside our solar system?



Yes, Natty – we only began to discover them about 25 years ago and in astronomy, this is recent.



How many planets do we know exist out there and is there a special word for them?



Planets outside our solar system are known as 'exoplanets'. There are more than 4000 exoplanets we know of out there.



Wow! That sure is a lot!

Natty, there are definitely thousands more and maybe even millions of other exoplanets. But there is one 'Exo-world' which is what we call a system out there with its star (like our sun is to us) and the exoplanet. There is one that is very special to us in Trinidad and Tobago.



I am so excited Professor! Tell me more about this Exoworld system!

Well, the people of Trinidad and Tobago in 2019 got to name an Exoworld – we can truly call it our own! There was a competition to name it and Dr. Jo-Anne Ferreira had the winning entry.



Ooooooh! That is so exciting! What was the name we gave it? And where is this Exoworld located? Can I see it?

I can see how much it means to you! It is the first time, the people of Trinidad and Tobago have named an object in the sky. Well, this star and the exoplanet is in the constellation Leo and yes, it can be seen from Trinidad and Tobago but you need a telescope to do so.



Professor! You still have not told me what we named this Exoworld that we can call our own.

You are right. I do seem to be becoming forgetful in my old age. Oh dear. We named it "Dingolay" which is the name of the star and "Ramajay" which is the exoplanet.



I am feeling to dingolay and ramajay now for sure! What great names representing our culture and people in Trinidad and Tobago! Thank you, Professor for this great interview.

Thank you Natty for being excited about Astronomy and wanting to learn about space and our place in it!

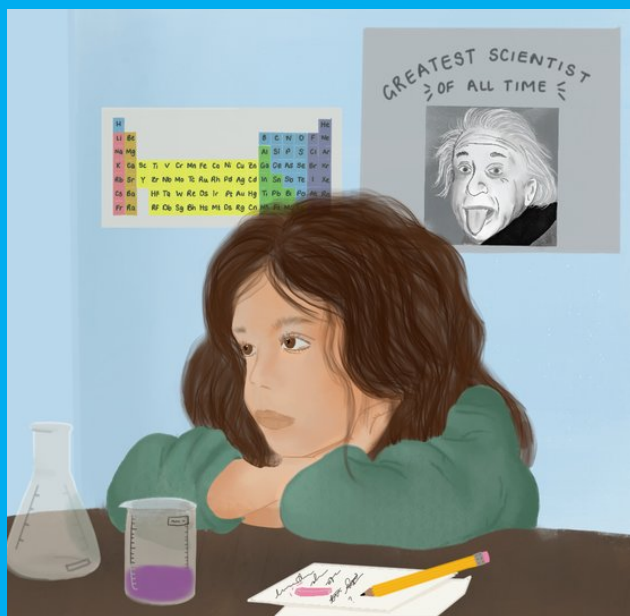


Natty left that interview starry-eyed with dreams of maybe one day humans can travel to other worlds and how she would love to visit that magical place with Dingolay, the star and Ramajay, the exoplanet, that the people of Trinidad and Tobago proudly named.

Dr. Shirin Haque

The Lady Scientists

- A children's Story -



Miss Francis peeks into the girls room and notices that Kathy looks sad, "Hi girls, is everything ok?"

"This just isn't working...I don't see the bubbles like the time we did it Miss Francis" cried Kathy. "Well that's part of being a scientist honey, sometimes results don't come out the way you want it too."

"But miss if I want to be like Albert Einstein, I neeeeed to get the right results all the time, just like he did". Kathy looks at the picture of Einstein on her wall and then bends her head looking defeated.

"Molly, Kathy's best friend, chimes in, "Its okay Kathy" whilst hugging her friend.

"I am sure Einstein wasn't happy with his results all the time and he was one of the greatest scientists who ever lived. But... you look more like a Marie than an Albert to me" Miss Francis said smiling.

"Kathy perks up. "A who??? Who's Marie, is she a scientist too?" asked Kathy.

"Of course, Kathy, Marie Curie is the Mother of Radioactivity" Miss Francis responded.

Molly looks puzzled and asks, "So does that mean ..ummm *Radioacvity* is her baby?"

"Miss Francis chuckles. "In a way.. yes Molly, she discovered some cool elements that we use today." Kathy jumps up and shouts, "I wanna discover a new element too just like....ummm Marie Curie!"



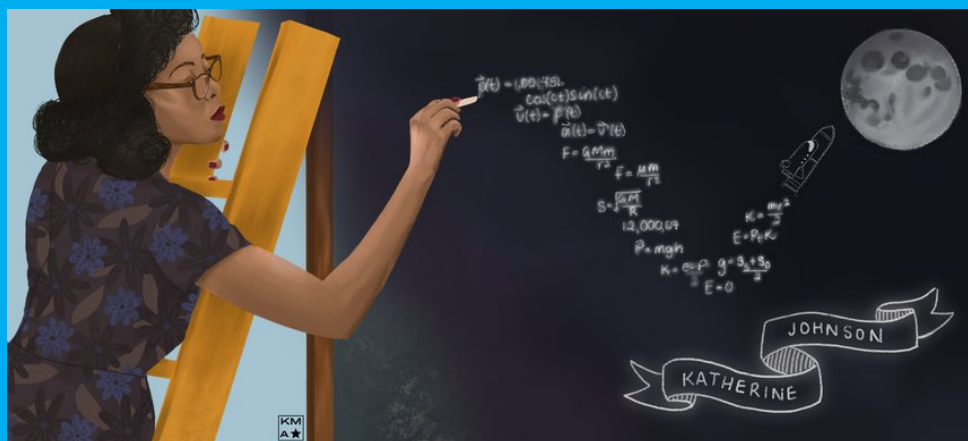
"You know Marie Curie was the first woman to win a Nobel Prize in Physics and she won another in Chemistry as well."

"What's a Nobel Prize?" asked Kathy. "Well remember when you and Molly were on the Honour Roll in school and won a nice gold award, well this is the highest award that a scientist can attain."

"Cool"...said the girls at the same time. "I am so happy there is one lady scientist in the world because there are so many men...Phewww" exclaimed Kathy looking relieved.

"Me too Kathy." said Molly. Miss Francis smiled at the two little girls. "There are many women in science, girls. Actually, you are named after one of them Kathy".

Kathy's eyes grew big, "Meeeeee, who miss who?" Kathy shouted dancing around the room chanting, "I'm named after a scientist, I'm named after a scientist" Molly giggles.



"Katherine Johnson... She was really good at Math and helped astronauts visit the moon. Let me show you"...Miss Francis showed the girls pictures on Kathy's computer.

"Miss Francis are there any lady scientists that looked at the stars? I wanna be just like them!"

"Of course, Molly, they are called astronomers. Caroline Herschel discovered many new stars and Maria Mitchell discovered a comet," Miss Francis replied. "Nice!" exclaimed Molly, looking up at the sky.

"There are so many many more lady scientists that changed the world and their discoveries still help so many people. Women like Rosalind Franklin who helped discover the structure of DNA, which is what makes you, you!" said Miss Francis tickling Kathy's nose. "This lady scientist helped to save the lives of many people who were sick with a disease called Malaria. Her name was Tu Youyou interesting name isn't it?"

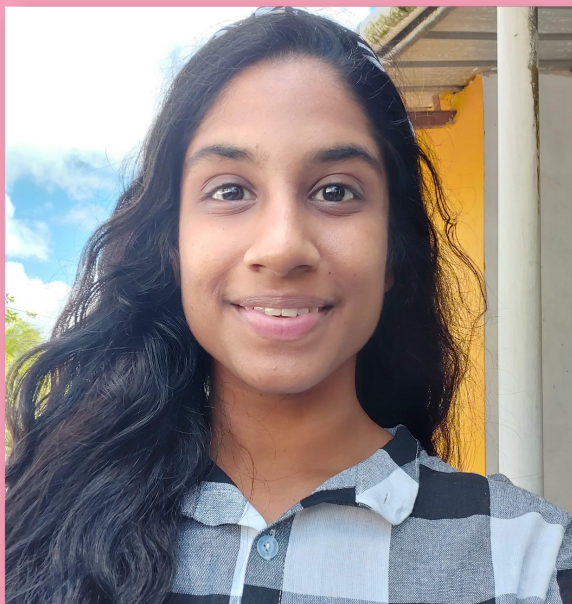
"They all nod in agreement. "Molly, aren't you glad miss told us about these coooooo!!!! lady scientists, come let's print some pictures of them and put them up on the wall. I wanna see Marie Curie everyday."



Natasha Thurab

A Passion For Science And Learning

- A conversation with Kaira Paul -



Did you always love science growing up?

I didn't have knack for the science that was taught in school until about the age of about 14. However, from as young as I can recall, I often wondered why certain things exist or work as they do. This curiosity ranged from complex questions such as why we could see stars that were so far away but not planets that were significantly closer, to simple, practical ideas such as, how does a refrigerator cool items. As I am now aware that these ideas are explained by science, then I can say, yes, I have always loved science growing up. I believe this love stemmed from my desire to always have an explanation for everything so that I can be able to teach others.

The W.I.S.H. Foundation, as our name suggests, supports and encourages women's participation and opportunities to excel in the fields of science and technology. There still exists a gender imbalance in the workplace. As such, the W.I.S.H Foundation was pleased to sponsor a prize in Physics at the University of the West Indies. The recipient of the prize was Kaira Paul, who we are pleased to feature in our inaugural issue with a conversation with her.

What message do you have for young girls who want to go into science?

As a girl in science, I often felt as though my male colleagues may bring ideas and knowledge to the field that I may not know of and understand. However, I realized that with unwavering persistence and great passion, I can achieve anything that I am in pursuit of. Never cower to the idea of being underinformed but instead, be motivated to become informed. Science is dynamic and everyday something new or more developed evolves. Grasp every opportunity with an open mind and always be confident in what you present.

Most importantly, never let a dull moment deter your dreams or convince you to give up. Work hard, be consistent and dream on!

What career do you want to go into?

As mentioned earlier, I love to teach and most importantly, I love to learn. I have a great passion for Mathematics and Physics and even though, I'm not certain on specifically which field of either I want to dive into, I believe research and lecturing is the path for me. From courses I have taken previously, I have keen interest in Astrophysics, Cosmology and also in Mathematical Analysis.

Tell us of a memorable moment in your life.

In 2010, prior to my SEA examinations, my standard five teacher publicly expressed gratitude towards my competitive spirit and remarked that it

inspired my classmates to try their best. It was at that moment, I truly recognized that being competitive isn't a selfish trait and can be used to not only motivate yourself but others as well. Since then, I have accepted my competitive nature and it has always been a building block in my successful endeavours.

Anything else you would like to share?

I just want to remind everyone that its okay to take a break from academia and pursue something else that you are passionate about. For me it's music; singing and playing instruments, reading and crafts. Engaging in something aside from academia strengthens your versatility and is a wonderful means of relaxation and rehabilitation. Definitely try to take some time for yourself and be conscious of the state of your mind and body.

“Science makes people reach selflessly for truth and objectivity; it teaches people to accept reality, with wonder and admiration, not to mention the deep awe and joy that the natural order of things brings to the true scientist.”

Lise Meitner, Austrian-Swedish Physicist who worked on
Radioactivity and Nuclear Physics.

COLOUR! WRITE! WIN!

WELCOME TO OUR WORLD!

Rules?
Not many!

- You must be 12 years and under to enter!
- Stories should be between 100-250 words!
- Creativity is a must!

How to enter?
It's easy!!

**Using your inserted copy
of the image below:**

- **Bring the Astronaut and the companion to life through colour!**
- **Write a creative story that includes what is happening in this scene!**
- **Submit to the W.I.S.H. Upon a Star Team!**

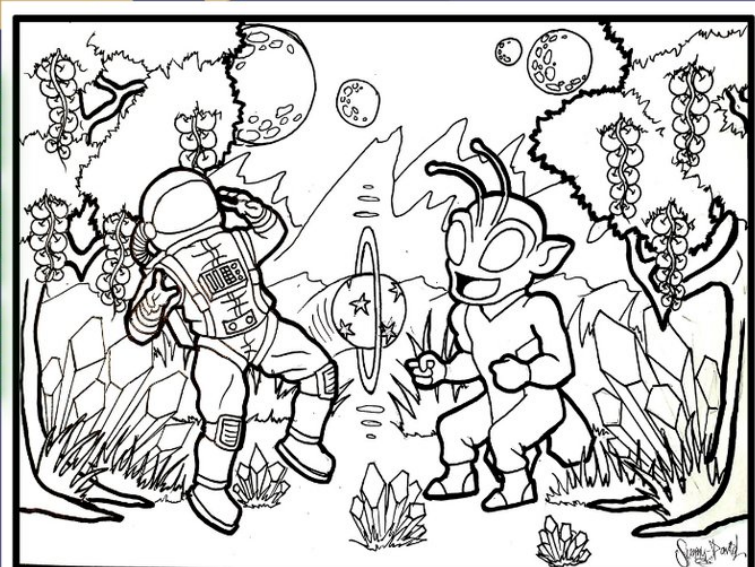


DEADLINE:
15th of August, 2021

Prizes?
Of Course!!

Science kits!
Books!
Toys!

WIN! WIN! WIN!



USE YOUR 3-D GLASSES!

SPECTACLED OWL

The El Socorro Centre for Wildlife Conservation [ECWC] is a non-funded, registered non-profit organization, which has been dedicated to the conservation of wildlife in Trinidad and Tobago through education, rehabilitation and propagation since January 2005. The ECWC became registered non-profit in October 2011 and a member of the International Wildlife Rehabilitation Council [IWRC] in 2009. To date, they are the only IWRC registered organization in the Caribbean, but they hope that others can follow their lead.

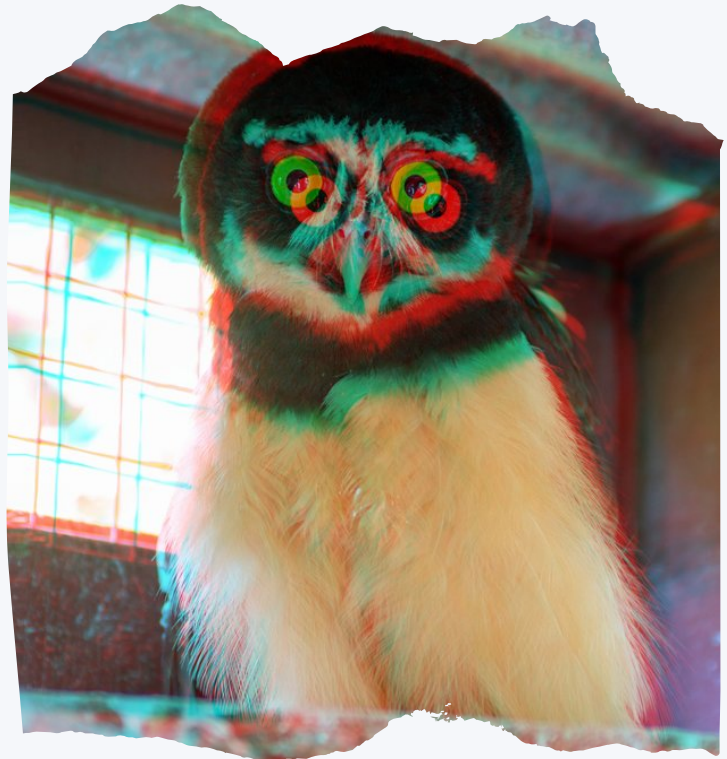
SCIENTIFIC NAME: *Pulsatrix perspicillata*

Location: The El Socorro Centre for Wildlife Conservation [ECWC], Trinidad.

Picture taken by: © Gr8 Media Solutions

Learn more, visit the website:

<https://www.wildliferescuett.org>



PORTUGUESE MAN-OF-WAR

The Portuguese man-of-war is a carnivorous invertebrate that floats at an amazing 12 inches long, 5 inches wide and can have tentacles up to 165ft long. It is most commonly mistaken for a jellyfish. The Portuguese man-of-war is actually a colony of organisms working together.

SCIENTIFIC NAME: *Physalia physalis*

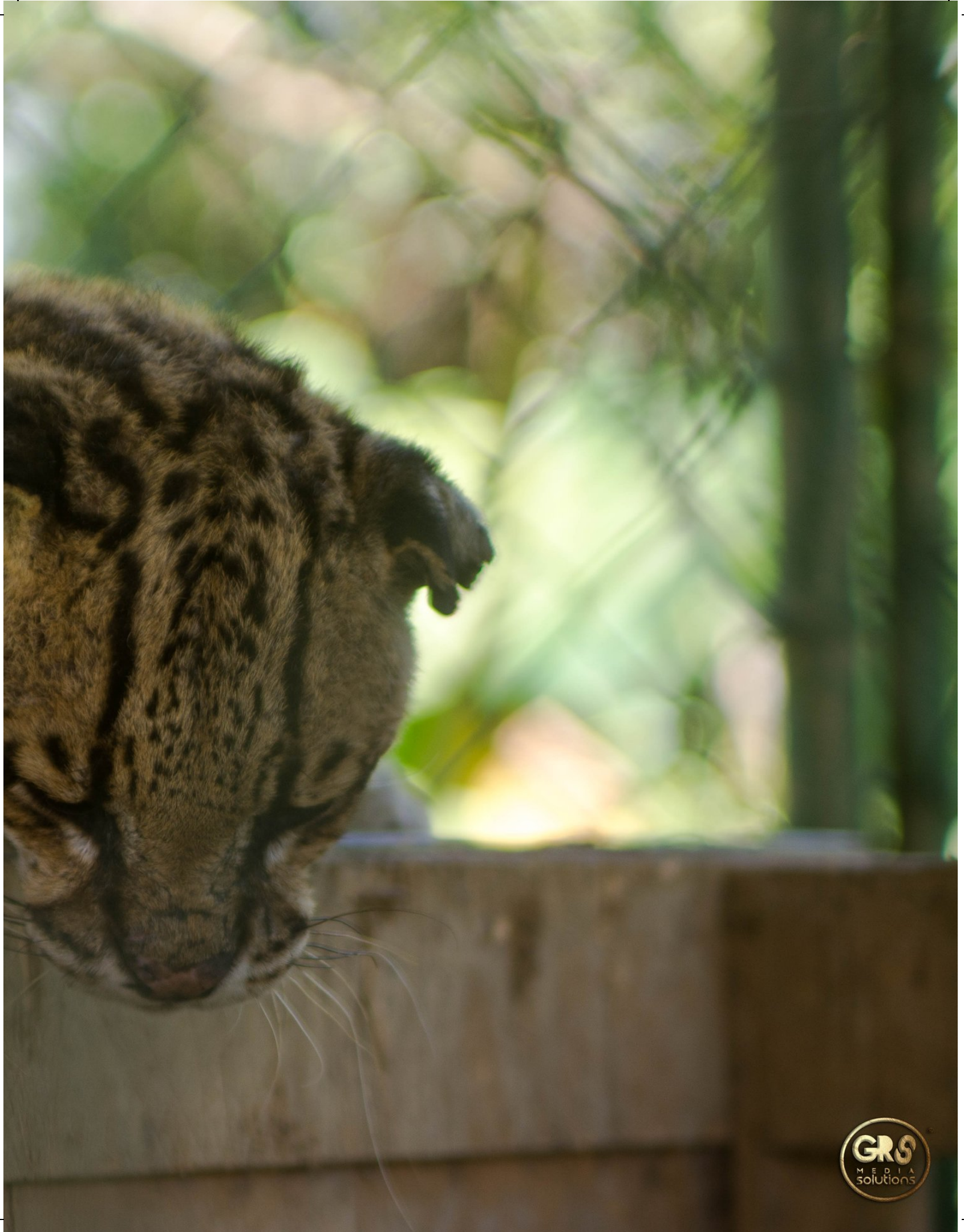
Picture taken by: © Ellenz_photography

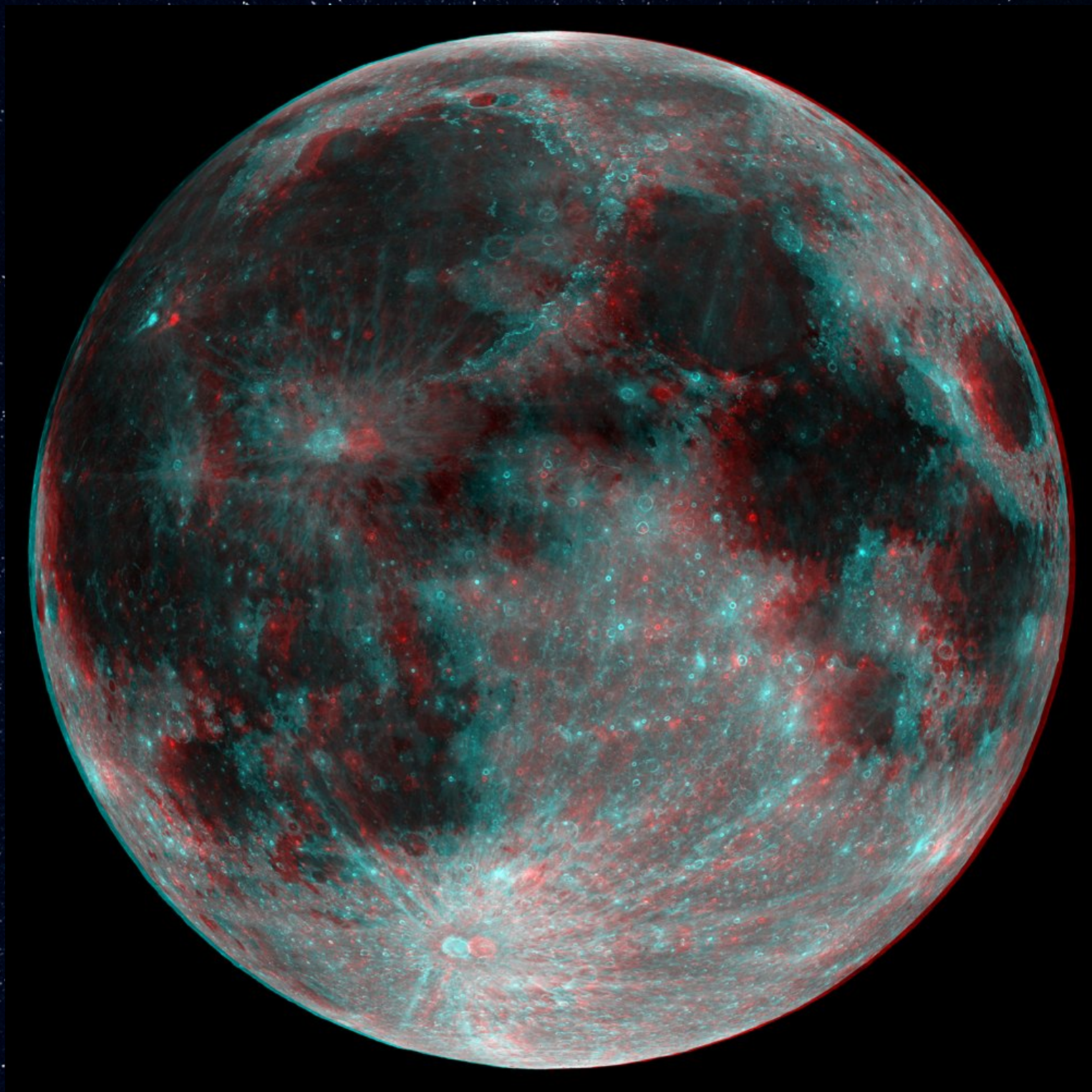
Location: Mayaro Beach, Trinidad.

Learn more, visit the website:

<https://www.nationalgeographic.com/animals/invertebrates/facts/portuguese-man-of-war>







*** PLEASE WEAR YOUR 3D GLASSES! ***
IMAGE CREDIT: NASA



SAVING OUR WORLD!



DEADLINE:
15th of August, 2021

THEME:

**RENEWABLE
ENERGY**

CREATE A PIECE
REPRESENTING OUR
GIVEN THEME TO
WIN! WIN! WIN!

SUBMISSIONS CAN BE IN
THE FORM OF:

- **DRAWING**
- **SHORT STORY**
- **SPOKEN
WORD**
- **PAINTING**
- **CRAFT**
- **MUSIC**

**A
CHANCE
TO
GET
CREATIVE**

PRIZES:

- **BOOKS**
- **SCIENCE
KITS**
- **MORE!**

**PARTICIPANTS:
MUST BE 13 YEARS
AND OVER!**

SUBMIT TO THE W.I.S.H. UPON A STAR TEAM!



Hummingbirds!

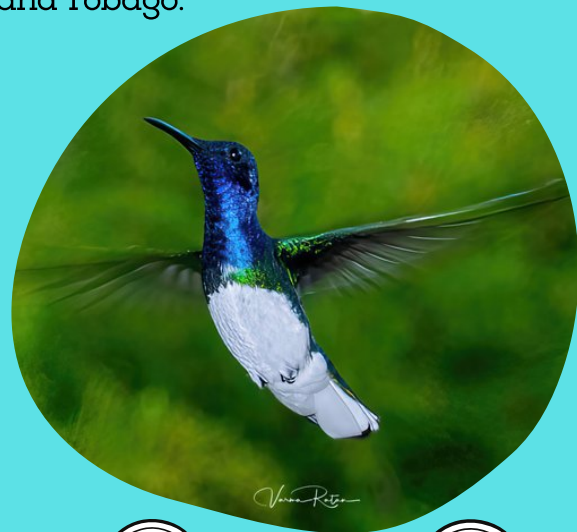
**DID
YOU
KNOW?**



Hummingbirds are the smallest, fastest and the most agile of birds. These seemingly delicate birds have always fascinated humans with their distinct colors, speed and variety. Hummingbirds can only be found in the Americas and neighboring islands – South America, Central America, the USA, Canada and the Caribbean Islands. Often called the land of the hummingbird, 18 species can be found in Trinidad and Tobago.

Hummingbirds eat every 10 minutes!

Their heart beats really fast, 1200 beats per minute.



Fight to protect their food source.

Cannot hop or walk but fly backwards, sideways and upside down.

There are 320 different types!

As heavy as a 25 cents penny!



They eat Nectar and insects consuming half of its weight in sugar.

The male hummingbirds are usually smaller and more brightly colored than the females.



Ruby-topaz Hummingbird:

The male-topaz possess a distinct iridescent orange throat with a ruby-red colored crown and orange tail. The females are generally white with some iridescent orange sparkle on its throat. They can be found in most local gardens. Because of their bright colors, they are easy to identify. They can move extremely fast, but the Ruby-topaz does not appear to be as tense as the Mango hummingbirds or the Copper-rumped. The Ruby-topaz was once a highly sort-after bird in Brazil because of its beautiful feathers, and many were traded. This bird trade became illegal in Brazil in 1970 in order to save these birds. They weigh between 4 to 5 grams, they are approximately 8cm long.



Black-throated Mango Hummingbird:

These large hummingbirds appear black when observed, however these colourful birds sport a blue-green belly with a purplish tail. When you see them, they will appear a bit fidgety, repeatedly jumping away and then back to the flower or hummingbird feeder. They can be aggressive, and some people think they are bullies given their large size. These hummingbirds are common locally and as their name suggest, they live in mango trees but also other trees. They weigh just over seven grams and are about 10 cm long.



Varma Ratan

The Monster Under My Bed

there is no monster under my bed
and it isn't in my head,
he isn't in the closet behind the clothes
so I'm not afraid of being home alone.

there is something out there I believe
causing panic, misery and a great scene;
it's making all the grown-ups cry
while explaining to us what it means to die.

"wash your hands Billy!"
"come inside and play!"
"You're not far enough Suzie!"
"You'll have to see your friends another
day!"



my school is now a ghost town,
the place I used to know so well
has no life anymore
and my heart is silently breaking
in case you can't tell.

I've heard the adults
talk about vaccines,
a medicine to make
the monster go away;
they're pretty confident
that's the only time
we'll be able to go
to school, to work or to play.

there is no monster under my bed
and it isn't a made-up creature.
playing games in my head.

I've washed my hands
a thousand times,
checked the closet,
kept my distance
and even sanitized

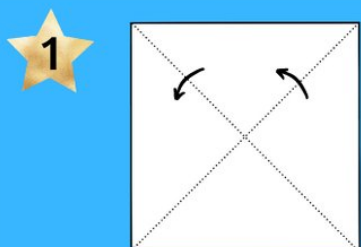
so, I'm brave enough
to stay at home
until the monster is gone,
I hope you're brave
enough to see that this time,
the science isn't wrong.



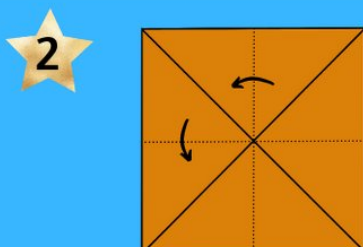
Anthony R. Mc Collin

TO THE STARS ON A PAPER ROCKET SHIP

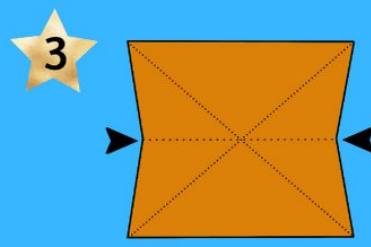
USE THE ORIGAMI PAPER INCLUDED IN YOUR MAGAZINE OR USE ANY SQUARE PIECE OF PAPER



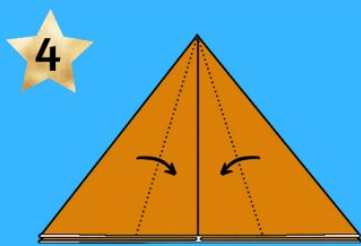
1
Fold and unfold along the diagonals on plain side. Turn the sheet over.



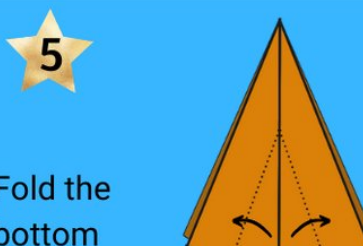
2
Fold and unfold edge to edge, both ways, on the patterned side.



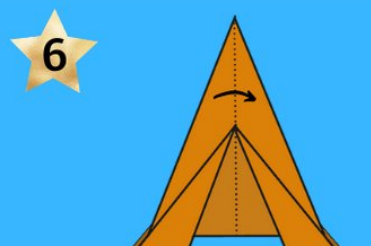
3
Use the existing creases to collapse the paper into a triangular shape.



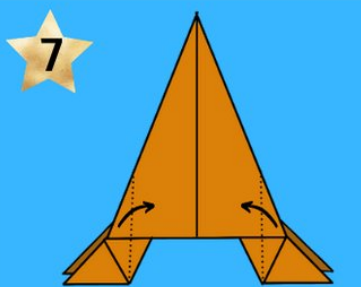
4
Fold both of the top flaps to the center. Flip the model over and repeat on the back part.



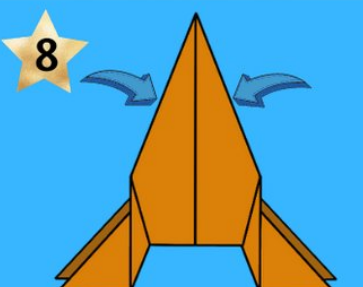
5
Fold the bottom corners with two folds parallel to the outer edges. Repeat on the back part.



6
Raise the left edge and bring it over to the right one. Repeat behind.



7
Fold the indicated triangles toward the center and repeat behind.



8
Open up the model to add volume.



9
Draw in some windows and you are ready for lift off!!

Adapted from: Foelker, R. (2019) "Origami Galaxy For Kids", Tuttle Publishing.

Leonardo Da Vinci used art to, for the first time, accurately portray the anatomy of the human body which greatly advanced the field of medicine.

Almost 500 years before it would take flight, the helicopter was designed by Leonardo Da Vinci!

I CAN BE

I can be
Anything
But can I
and see all

I want to see
and find out what
and I want to
like 3D



I want to see numbers
and use them to
and I wish to create
like Mars'

But is it ALL
Why

In fact, here are
Leonardo, Hypatia,



He designed the first self-propelled vehicle, an ancestor to the modern-day car!

Studies in science and mathematics provided him with a deep understanding for the way in which human beings see things; and so he transformed the field of art by introducing a new way to capture depth within paintings.

Gottfried Leibniz's interest in Chinese culture allowed him to discover binary code which is used to encode data in computers today!

Calculus, the study of change, was developed by Leibniz!

He invented the first calculator that was able to perform all four operations.

He also influenced many in the field of Psychology and contributed to the field of Palaeontology by describing the origin of fossils!

He inspired Einstein's theory of relativity as he was the first to suggest that the motion of objects is relative!



Hypatia taught Mathematics and Philosophy in the city of Alexandria, known as the capital of knowledge and learning, as it was home to one of the greatest libraries of the ancient world.

EVERYTHING!

anything!
I want to be!
be everything
there is to see?

colour like an artist
it is, like a scientist
invent cool gadgets,
glasses!

like a math whiz.
code like a programmer
impossible devices,
rovers!

possible?
yes, it is!
a few polymaths:
Young and Leibniz!

Shinara Jaglal

PEOPLE OF
GREAT LEARNING
IN SEVERAL
FIELDS OF STUDY

Hypatia also studied and taught Astronomy. She is considered to be the world's first female Astronomer!

She also constructed the Plane Astrolabe, a device used to calculate the date and time of planets and of stars like our Sun!

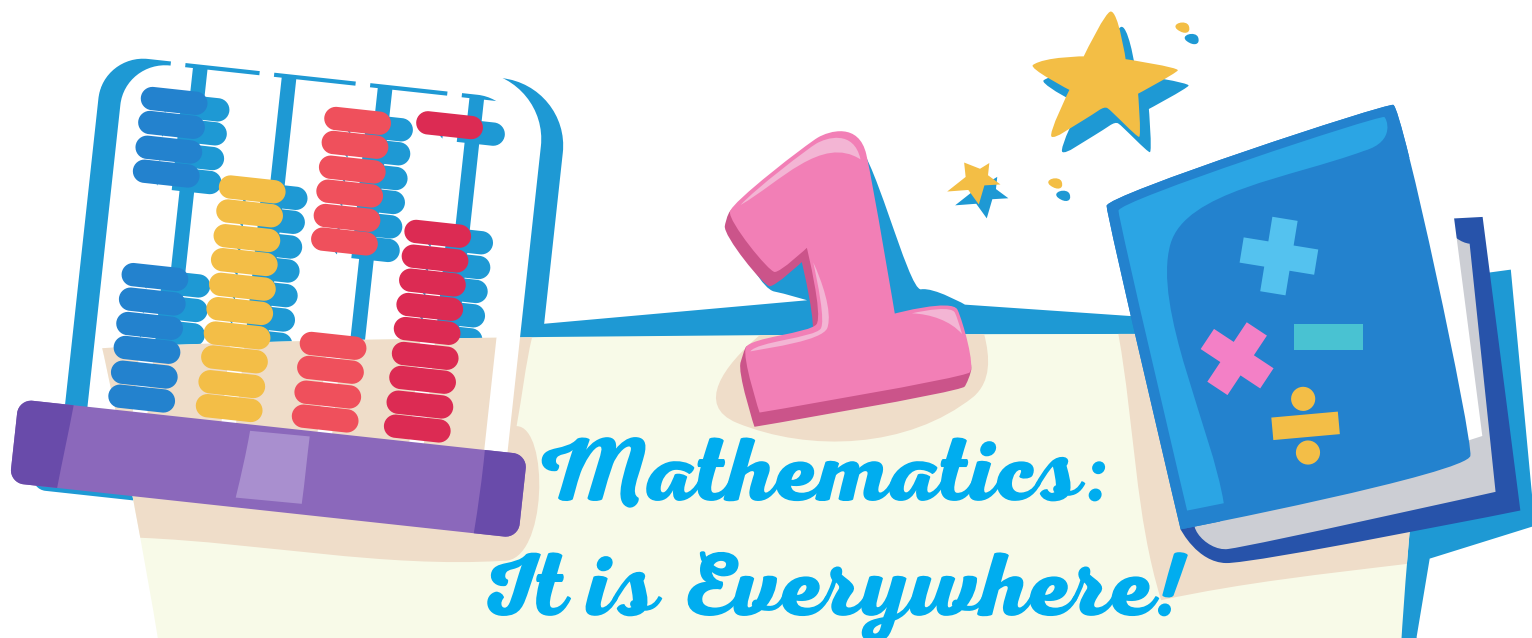
Young made significant contributions to the decoding of Egyptian texts and successfully found the sound of many Egyptian symbols!

Young had a very good understanding of how waves behaved and so he was able to invent his own method for the tuning of musical instruments.

He derived a formula to calculate the wave speed of a person's heart rate.

Thomas Young experimentally proved, in the famous Young's double-slit experiment, that light is a wave!

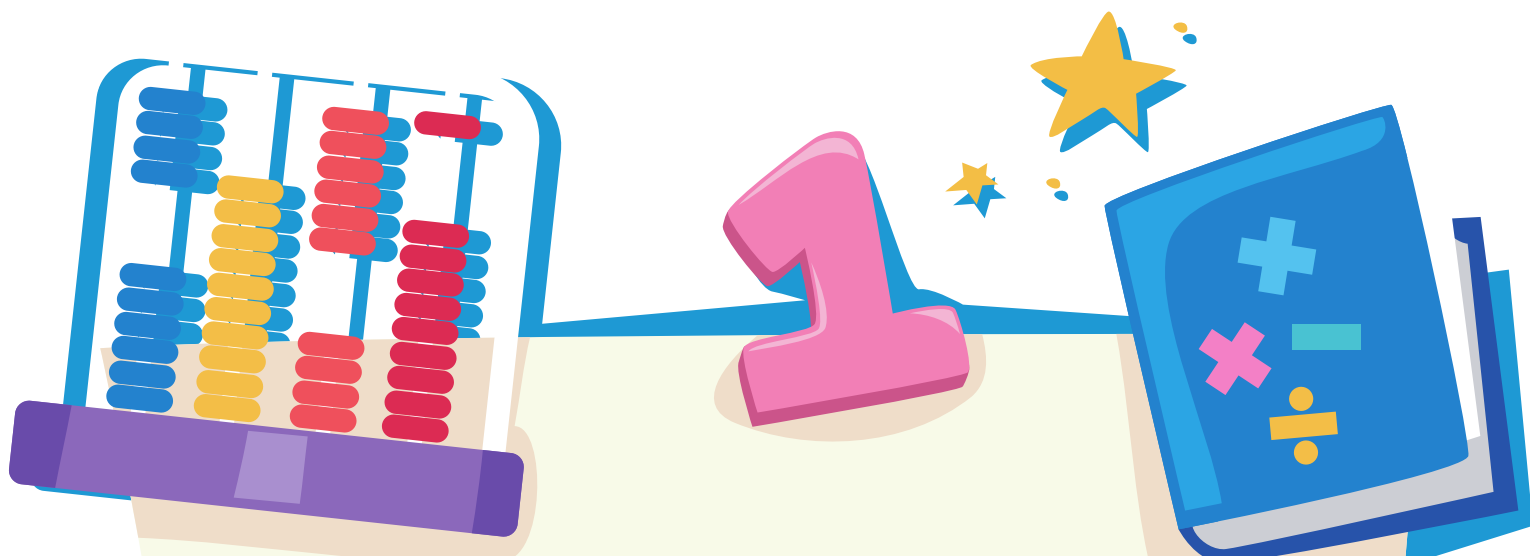
Young discovered an equation to determine how easily materials can be stretched. This idea is used by engineers to construct bridges and skyscrapers!



Mathematics or 'Math' is a science which deals with numbers and counting. In everyday life this goes beyond just numbers, to logic and reasoning. Math problems surround us in money, measurement and even time. In the early days, primitive tribes used Math to create hunting tools, and to calculate the position of the sun to determine the length of a day. Nowadays, Math is evident in everyday life. From simple conversions in cooking and baking, to the use of mobile devices and computers, to the current Covid-19 epidemic trends, it is an extremely important field used to navigate everyday life.

Over the years, Mathematics has taken centre-stage in many fields. It is used in music, art, engineering, and sports. Construction projects, shopping and even everyday household chores such as cooking and cleaning, all involve the logic and precision of Math.





We may not realise how many of these simple procedures use calculations. Even the number of hours you sleep, the angle of your hand as you comb your hair, to the temperature of a cup of tea, all harness the hidden power of Math. How amazing! 😊



Other seemingly ordinary yet amazing examples include comparing prices at the grocery store, driving a vehicle at a particular speed, or even measuring food or drink at the dinner table. Teaching, medicine, engineering, business and finance and other careers in science and technology require above mathematical reasoning and critical thinking skills. Even traditional non-mathematical careers require some of these Math-related concepts. For instance, a seamstress uses mathematics to convert various measurements, such as inches to centimetres, to sew clothes and to estimate how much cloth is required for a garment.

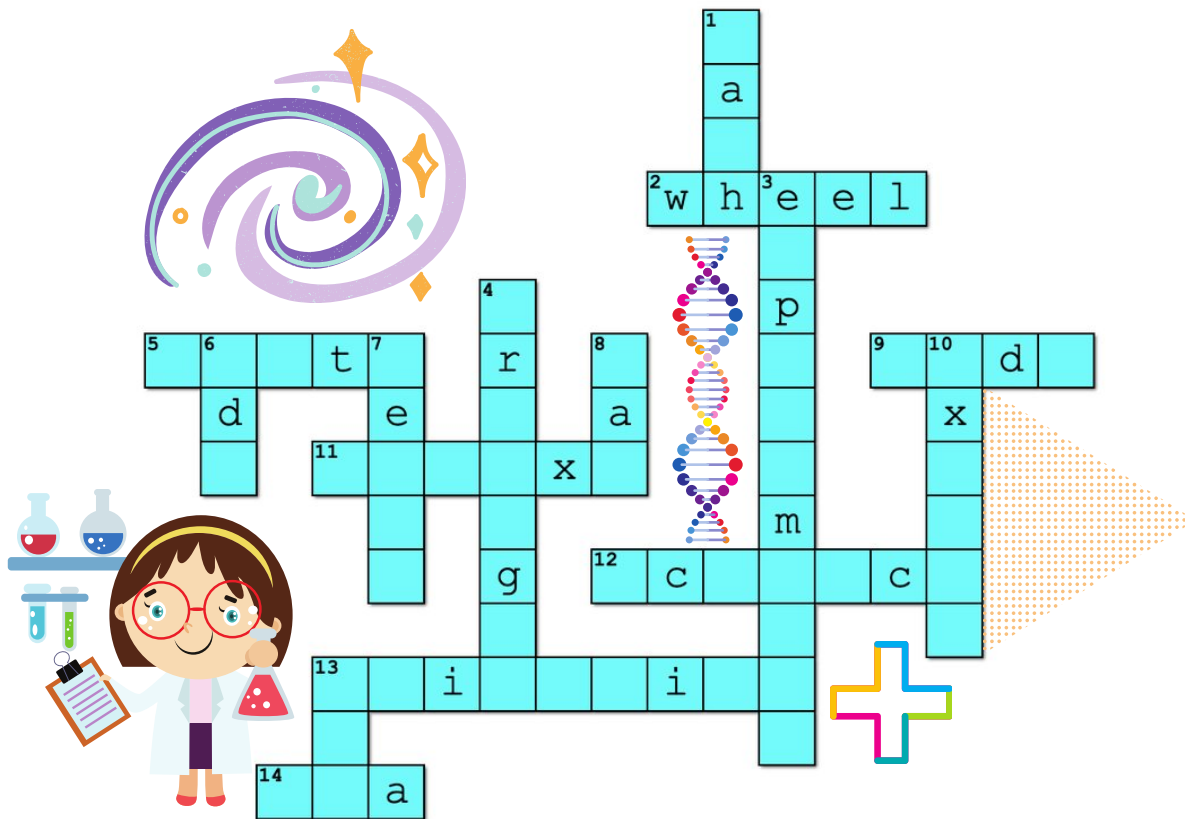


It is quite clear we require knowledge of Mathematics in many fields. With enthusiasm and consistent effort, we can all harness the power of Math at any age. Although we may not see the need for it, the power of mathematics lies in its relevance to our everyday life. Can you see how often you use it in your life? 😊



The WISH Crossword Puzzle!

Use the hints provided below to find out the missing words!

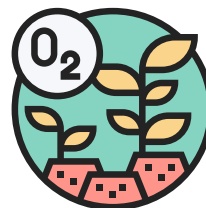
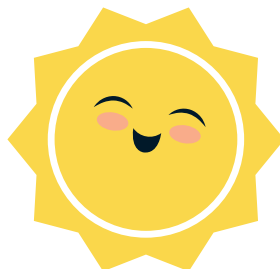
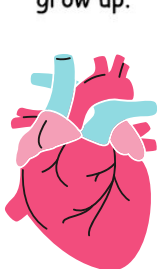


Across

2. The wheel was one of the greatest inventions of all time.
5. We live on planet _____ which is next to Mars.
9. Programmers write _____ to create games and useful apps.
11. Milky Way is the name of the _____ that we live in.
12. Physics, Chemistry and Biology are all _____ subjects.
13. I want to become a _____ when I grow up.
14. Our _____ decides how we will look when we grow up.

Down

1. Everyday we study _____ and English to grow our knowledge.
3. Scientists conduct _____ in the Lab to make new discoveries.
4. A shape that has three sides is called a _____.
6. Two _____ two equals four.
7. The _____ is an organ that pumps blood through our body keeping us alive.
8. A narrow beam of light is called a _____.
10. Trees produce _____ and humans breathe it in to survive.
13. Plants get light energy from the _____ in the sky.



ANSWER KEY:

- 1- Math
- 2- Wheel
- 3- Experiments
- 4- Triangle
- 5- Earth
- 6- Add
- 7- Scientist & Sun
- 8- Ray
- 9- Code
- 10- Oxygen
- 11- Galaxy
- 12- Science
- 13- Scientist & Sun
- 14- DNA

Gabrielle Motilal

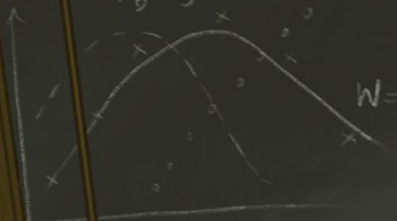
W.I.S.H. Foundation Activities



*If you WISH to support
and volunteer with the W.I.S.H.
Foundation in any way at all,
contact us at +1-868-684-9823
or send an email to the CEO at
shirin.haque@gmail.com.*



$$\Phi_B = \int \vec{B} \cdot d\vec{A}$$



$$\iint r^2 = b(b)$$

$$W = \int p dV$$



$$ab + bc = de$$

$$(gh + f)a = agh + fa$$

$$\vec{r}^0 = \vec{r} \times \vec{r} \times \vec{r} \dots$$

Reach for the
STARS

$$p(x) =$$

$$\frac{e^{\frac{1}{2} \pi r}}{\sin c}$$

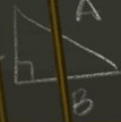
$$e = mc^2$$
$$a = \frac{1}{2} bc^2$$

$$p = \frac{dW}{dt}$$

$$= |A|$$

$$\begin{vmatrix} 1 & 2 \\ 3 & 4 \end{vmatrix} = A$$

$$\lim_{x \rightarrow \infty} \frac{\sin x}{x} =$$



$$f(x) = \ln x_4 + \ln -$$

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