

BA GAZETTE

NEWSLETTER BROUGHT TO YOU BY BAYAAN ACADEMY STUDENTS

WHAT'S INSIDE?

LETTER FROM EDITOR	2
INTERVIEW WITH BA'S FIRST GRADUATE.....	4
GLOBAL WARMING.....	5
SHOCKING FACTS ABOUT TIGERS.....	8
REMEMBERING LUNA.....	11

Riddles, Islamic Quotes and Lots More!

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FROM THE EDITOR'S DESK

Dear Readers,

We hope this letter finds you in the best of health.

Alhamdulillah, our team has grown since last year. For the past few months, everyone has worked really hard to put together this newsletter. The credit goes to everyone because making a newsletter is a team effort. From the designers and artists to the writers and task managers, I would like to thank all of you. This newsletter would not have been possible if we had not worked together as a team.

We hope you enjoy this issue and find the next issue just as enjoyable! The sixth issue of the BA Gazette will carry off right where we left. Look forward to a brand new chapter in Remembering Luna and interesting interviews!

Until next time, stay safe!



Chief Editor

Abbas Ibn Firnas: The First Person To Fly

BY: HISHAM SHAIK

Abbas Ibn Firnas was born in 810 AD and died in 887 AD.

Abbas Ibn Firnas was a scholar who was skilled in many things. He was an; astronomer, inventor, engineer, aviator, physician, musician, and poet. He even made a glider which helped him fly.

Abbas Ibn Firnas lived in Ronda, Spain. Nearly everyone at that time almost had the same wish, to fly. He studied birds and decided to make a parachute and a glider. The parachute was to protect him when he fell, it was made out of silk, a heavy jacket, and a wooden frame.



Illustration by: Hisham Shaik

So Firnas went to Cordoba's Mosque in Spain and jumped off the tower of the mosque. He used the glider but was unable to fly. Fortunately, he was flying very low so he let go of his glider and opened his parachute which was made out of a huge jacket (that is what lots of people think). He fell but only injured a couple of bones.

Later Firnas realized why he couldn't fly. It was because of how the wings moved. Birds had bones that connected their wings, so Abbas added bone-like structures to his wings. He added something that looked like a pulley that was connected to the wings, so when he pulled the right-wing it would go down and turn him right, like a steering wheel.

He then tried his glider again when he was around 65-70 years old. When he did, it worked! He flew for approximately ten minutes before he got tired, and tried to land. But when he was about to land he remembered something. He never added the tail!

Birds use their tails to land by using them as support and cannot land without a tail. That is why planes now have tails. Firnas tried to think of a solution quickly, but he was growing too tired. The reason for this is because the glider was really heavy and moving the wings by hand is really challenging.

Firnas crashed and broke his back, but he was more disappointed than injured. Even though he had a broken back, he didn't quit but tried again by making a tail for his glider. He tried again when he was 78 years old but this flight was also a failure and he crashed and he died.

Stay tuned for the next part in the next issue!

Riddles & Islamic Quote

BY YUSRA ALI

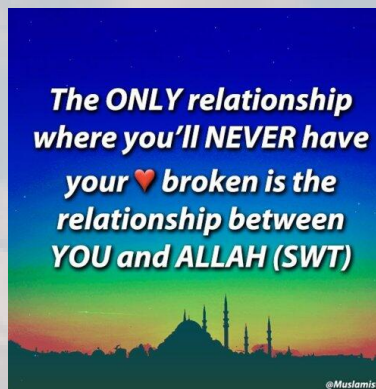
- 1- What fruit can you never cheer
- 2- There are 3 apples in the basket and you take away 2. How many apples do you have now?
3. Where would you take a sick boat?
- 4- I can fill a room, but I take up no space. What am I?
5. I go all around the world, but never leave the corner. What am I?

1: A blueberry. 2. You have 2 apples. You took away 2 apples and left 1 in the basket. 3. To the dock. 4. Light. 5. A stamp.

Did You Know:

- 1- One of the largest pyramids in the world is a Bass Pro Shops in Memphis, Tennessee.
- 2- Scientists once gave mice superhero-like night vision using nanoparticles.
- 3- There's a Starbucks cup in every shot in the movie Fight Club.
- 4- Japan is suffering from a ninja shortage.
- 5- A Brazilian man was killed in bed when a cow fell through the roof and landed on him...
- 6- Birds in Minnesota get drunk off of berries.

(Source: bestlifeonline.com/did-you-know-facts/)



INTERVIEW WITH THE FIRST GRADUATE OF BA: SALAMAH PEAKE

By: Haneen Idheileh, Iman Yasir

We're interviewing the first graduate of BA because we thought it would be interesting to get her perspective on what it felt like to be the first high schooler to graduate from Bayaan, and how BA helped with preparing her for her future in college.

1- Why did you choose BA?

I chose BA because I wanted a well-rounded education. I found that BA was the most suitable of all the homeschooling programs. Bayaan offers many educational options.

2- How does it feel to be the first graduate from BA?

I felt blessed (Alhamdulillah), happy and nostalgic

3- How many years were you in BA for?

I studied under BA for two years, 11th and 12th grade.

4- How was your experience in BA?

My experience in BA is an unforgettable one. It started my new journey in seeking knowledge and applying the tools I learned to keep myself motivated and achieve more.

5- Do you recommend BA as a good school for others?

Yes, definitely!

6- What was your favorite subject in school?

I had quite a few favorite subjects, science, psychology, and history.

7- Why did you choose online, over going to a school?

I did not want to study online for the last two years of high school. I was in the process of



transferring to a traditional school but it didn't work out. My parents found BA just one month before school started. They did their research. It seemed like a promising online school, and it was!

8- How did BA change over the years you were in for?

BA changed by improving their materials. It was much more accessible, and they created a sense of community between students and families. In addition, they began offering support for students struggling in different subjects like math and science.

9- How did BA help you prepare for college?

BA taught me how to follow instructions, manage time, be organized, and be prompt in submitting assignments and projects, etc.

10- What is your advice for BA students?

My advice is to take care of yourself mentally, physically, and emotionally. This allows you to be present and focused in your schoolwork. Never hesitate to ask for guidance. BA is always there for you. Pursue electives that interest you because this will benefit your skills in the future. Work hard in language classes for the reason that many colleges have study abroad opportunities. Language fluency can enhance your chances to travel to different parts of the world. Enjoy learning and never stop believing in your capabilities. Lastly, you may not know what career you want to pursue in the future, but as long as you have an idea of what possible routes you would like to take, you should try your best and aim for the highest.

Riddles

&

BY YUSRA ALI

Islamic Quote

1- There's only one word in the dictionary that's spelled wrong. What is it?

2- I have a tail and a head, but no body. What am I?

3. What 2 things can you never eat for breakfast?

4- Which word becomes shorter when you add 2 letters to it?

1- The word "wrong"; it's the only word that's spelled W-R-O-N-G.
2- A coin. 3- Lunch and dinner. 4- the word short



Did you know:

1- Crowds at one Louisiana State University football game once cheered so loudly that it registered as an earthquake on a local seismograph.

2- Bubble wrap was originally invented as wallpaper

GLOBAL WARMING

BY: MOHAMMAD SHHADEH

Global warming causes animal migration, million people's death each year, rising temperatures and sea levels, poor air quality, extreme storms, and pollution. But what is global warming, and what causes it?

Global warming is Earth getting hotter than necessary. One reason for global warming is too much carbon. Carbon affects Earth's climate and life. Carbon is in Earth's crust, deep layers, soil, ocean, and all living things including us. Carbon is also in the atmosphere as the planet-warming gas, carbon dioxide. Plants take carbon out of the air to live. Animals get carbon when they eat the plant. When the animal dies, the carbon goes into the soil, and returns to the air once more, forming the carbon cycle. The same cycle occurs in the ocean. The carbon cycle is perfectly balanced so not too much carbon is in the air. Then humans started cutting trees, making large companies, and letting more carbon into the air that harms all living things.

Climate change also causes global warming. When turning on a light, coal-fired power plants burn fossil fuels and coal to make electricity that goes to your house. Greenhouse gas is given out when fossil fuels get burned. Greenhouse gases trap heat from the sun by blocking it from escaping the earth. A little greenhouse gas is good, because it warms the earth at night, but not too much. When too much greenhouse gas is added to the atmosphere, Earth will be too hot for life as we humans have known it.

Climate change and rising temperatures cause trapped water in glaciers for thousands of years as ice to melt, adding more water to the sea, leading to flooding and extreme storms. Warm water evaporates faster than cold water. When temperatures rise, the sea becomes warmer, evaporates, and forms clouds, leading to extreme storms.

Source:

Smithsonian's National Museum of Natural History

Pollution causes poor air quality. When fossil fuels get burned, they give off greenhouse gases. Greenhouse gases cause climate change and give off methane and carbon dioxide that harm the lungs. Carbon dioxide has 1 carbon and 2 oxygen atoms. Methane is also a greenhouse gas. It has 1 carbon atom and 4 hydrogen atoms. Methane holds over 20 times more heat than carbon dioxide. Farm animals also give off methane when they pass gas.

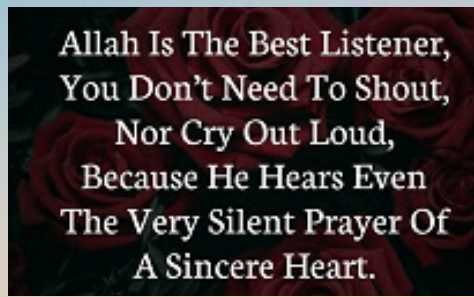
We can't change the weather, but we can reduce global warming. When exiting a room, turn off the lights to cut down on fossil fuels. Walk or ride a bike instead of riding in a car. Put on a sweater instead of turning on the heat. Also, plant a garden to reduce carbon dioxide. Lastly, take a shower, and don't use too much water. It takes lots of energy to clean, heat, and transport water to your place. If everyone does his or her job, we can reduce global warming. Methane when they pass gas.



Riddles & Islamic Quote
BY YUSRA ALI

- 1- What has hands and a face, but can't hold anything or smile?
- 2- What is harder to catch the faster you run?
- 3. It belongs to you, but your friends use it more. What is it?
- 4- How many months of the year have 28 days?
- 5. If you don't keep me, I'll break. What am I?

1- A clock. 2- Your breath. 3- Your name. 4- All of them! Every month has at least 28 days. 5- A promise.



Did You Know:

- 1- There is a toilet museum.
- 2- Your eyeballs can get tattooed.
- 3- Lady Liberty wears a size 879 shoe.
- 4- There are 118 ridges on the side of a dime.
- 5- There is a planet that is shaped like a potato.
- 6- It is illegal to own just one guinea pig in Switzerland.
- 7- There is a basketball court in the U.S. Supreme Court building.

THE EARTH 100 YEARS BEFORE, NOW, AND 100 YEARS AFTER

BY: IMAN YASIR, HANEEN & LEILA IDHEILEH

Earth is 4.5 billion years old. We are destroying and improving Earth every second. So, what was Earth-like 100 years ago? Well, 100 years ago was 1920. Here are some interesting things about the earth during that period in history. 100 years ago a dollar went a further way. Things in the past were much cheaper compared to the cost of things now. Nowadays people spend tons of money on unneeded things.

Another major difference between the past and now is that in the 1900s the 1,063 foot tall Eiffel Tower in Paris was the tallest structure on Earth. Burj Khalifa which stands at 2,722 feet is the current record holder. During the 1920s teenagers didn't exist! Well, kids between the ages of 13 and 19 existed, but the name 'teenagers' didn't officially come until 1940. The name came when high school enrollment became standard or confirmed. Also, during this time alcohol was illegal! It wasn't until 1933 alcohol became officially legal.

Global Warming - is caused when humans release gases and are affecting Earth. The planet is getting hotter. Ocean temperatures are rising. It's also causing more droughts which result in fires. Global warming is causing less rain and snow worldwide.

Discoveries - There are many parts of the world yet to be discovered. Currently, only 5% of the ocean has been discovered. The number of species that have been discovered is 1.2 million. Currently, there are 10,000 cities the largest being Tokyo.

NASA's Goal - NASA is trying to send people to Mars to live. The first set of humans will be sent in 2033. Then, every 2 years, a new set will be sent.

Antarctica - Antarctica is melting rapidly. More glaciers break, causing rising sea levels. In 2014 a huge glacier broke and floated away. How the future will be is unknown, but a lot is predictable, based on how we are now.

One thing we always have to do is work. In 100 years robots will do a lot of the work for us. They will work as nurses, waitresses, baby sitters, and even taxi drivers. Robots will also be taking care of children and cooking food. They will be able to understand people and communicate with them.

Global warming will have a huge effect on the world. It is said that water availability will decrease by 50% and a 20% increase to people who are affected by chronic water scarcity! Also, the sea level will rise by about 0.26 - 0.55 m.

People will start thinking of ways to live in Antarctica. Also, 100 years later, millions of people will have gone to space. It is also predicted that space travel will be common. If people now would want to go to Australia from America it would take quite a long time, but 100 years later, it will take less than 5 minutes.

Pictures Credits: Julia Aguit & Fida Jasim



JOKES BY HISHAM SHAIK



Q1: Why don't scientists trust atoms?

A1: Because they make up everything!

Q2: Why is Europe like a frying pan?

A2: Because it has Greece at the bottom!

Q3: Where do pizza's go to live?

A3: A Pizza Hut

Q4: What is an alligator's favorite drink?

A4: Gator - ade!



How to Stay Healthy Part 1

BY: Yusra Ali

A healthy lifestyle can assist you to thrive throughout life. Making healthy choices isn't always easy. Sometimes it is hard to find the time and the energy to exercise regularly. However, your efforts will pay off in many great ways. Today I will tell you some of the best ways to stay healthy that kids tend to forget.

Mental Health

It is really important to manage and assess your feelings on a day-to-day basis. If you are feeling negative towards others, you'll cause more unhappiness at work, school, or in your social life.

Here are five signs that you might have a mental illness:

1. Long-lasting sadness or irritability.
2. Extremely high and low moods.
3. Excessive fear, worry, or anxiety.
4. Social withdrawal.
5. Dramatic changes in eating or sleeping habits.

One thing you can do when feeling upset/stressed is to talk about your feelings. Talking about your feelings can help you stay in good mental health and deal with times when you feel troubled, keep active, eat well, keep in touch, ask for help, take a break, exercise, socialize with loved ones, sleep 7-9 hours every night and do something you're good at. Sometimes it's just beneficial to stop, take a deep breath, and relax.

You can help maintain your physical and psychological state by decompressing from an extended, stressful school or workweek. Try some relaxing activities to help you relax. Take advantage of meditation, listening to something peaceful, reading, watching a comedy, or exercising. These activities can assist you to unwind and that causes a feeling of happiness and calm.

Websites Used:

- 1-<https://www.branfordhall.edu/5-ways-to-maintain-a-healthier-lifestyle>
- 2-<https://www.mayoclinic.org>

Sleep

Believe it or not, sleep is an important part of health. Sleep plays a crucial role in your physical health. For example, sleep is involved in the healing and repair of your heart and blood vessels. Ongoing sleep deficiency is connected to an increased risk of heart condition, renal disorder, high vital sign, diabetes, and stroke.

Sleep may be a vital, often neglected, component of each person's overall health and well-being. Sleep is vital because it enables the body to repair and be fit and prepared for an additional day. Getting adequate rest can also help prevent excess weight gain, a heart condition, and increased illness duration. Enough sleep is essential for our health if we do not receive enough sleep it can cause major health problems and vice versa.

The recommended amount of sleep:

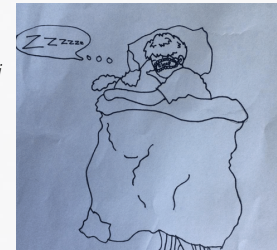
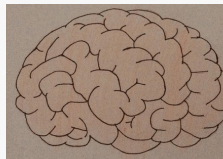
3-5 year olds: 10 -13 hours

6-13 year olds: 9 -11 hours

14 - 17 year olds: 8 -10 hours

Adults: 7- 9 hours.

Pictures by: Jolnar Aljwaini



A healthy lifestyle can help you enjoy life. I hope this research was beneficial to the readers. Stay tuned till the next issue for part 2!

Riddles



Islamic Quote

BY YUSRA ALI

- 1- Imagine you are in a room with no windows or doors. How will you get out?
- 2- What goes away as soon as you talk about it?
3. It belongs to you, but your friends use it more. What is it?

Riddle Answers: 1- Stop imagining 2- Silence 3- Your name.



Did You Know:

- 1-Extreme ironing is an actual sport.
- 2- There's a Guinness World Record for the stretchiest skin.
- 3- Scientists made a "nano guitar" the size of a human blood cell.
- 4- A lifeboat drill was canceled the morning of the Titanic tragedy.
- 5- Scientists once gave mice superhero-like night vision using nanoparticles.

Shocking Facts About The Bengal Tiger

By: Hisham Shaik

This Article is about Bengal tigers, the second-largest big cat in the world. The largest is the Siberian tiger. In this article, I will be talking about some interesting facts about the Bengal tiger.

The Bengal Tiger is the second-largest big cat in the world. An adult male tiger can weigh around 400 to 420 pounds (180 to 190 kilograms). Its length can be up to 8.9 - 10 feet !!

A tiger can jump ten feet high and twenty feet in full flight vertically. But that isn't the real record because every time a tiger sets a record, another breaks it !!

A Bengal tiger is solitary. A male spends almost his whole day protecting his territory from invaders that can be 200 square miles away! When a tiger hunts, it will follow its prey until the prey is exactly at its spot. Tigers will wait for their prey for even a whole day!



Pictures from Pinterest



Tigers usually ambush their prey. By hiding behind bushes, their fur's color helps them to camouflage into their surroundings. A tiger's paws also help them hunt.

A tiger's paw has soft padding at the bottom that allows them to walk on sticks and leaves without making any noise at all. Tigers attack the rear side of their prey so that the prey doesn't see the tiger.

Tigers hunt by biting down on their prey's throat or neck, their powerful bite can kill animals easily

When tigers are in a fight, they usually stand on two feet. In a fight with a crocodile, the tiger will usually aim for the eyes of the croc to blind it. Then it will make its move to the neck.

Tigers also love to swim, unlike most big cats. Usually where tigers live is really hot, so they have to go into the water to cool down. They can even kill in the water!!

People reported that a tiger could swim eighteen miles in one day!

Also, I wanted to add that Tigers are endangered animals because people are killing them and poaching them. People shouldn't kill these beautiful ferocious cats. Tigers kill naturally and they can't stop.



INTERESTING FACTS ABOUT QUEEN ELIZABETH

By: Iman Yasir

1. SHE CAN TRAVEL ANYWHERE WITHOUT A PASSPORT AND DOESN'T NEED TO HAVE A DRIVING LICENCE WHEN DRIVING.
2. HER BIRTHDAY IS ON APRIL 21 BUT THE CELEBRATION FOR IT IS IN JUNE.
3. ON JUNE 1981 SHOTS WERE FIRED AT HER WHILE SHE WAS HORSEBACK RIDING.
4. SHE OWNED THE SAME FAMILY OF CORGIS (A BREED OF DOG) FROM 1944 TO 2018.
5. SHE USES HER PURSE TO SEND SIGNALS TO HER STAFF.
6. EVERY DAY SHE DRINKS A GLASS OF CHAMPAGNE.
7. IN BRITISH HISTORY SHE HAS THE LONGEST TIME OF MONARCHY.
8. SHE WENT TO AUSTRALIA 16 TIMES AND HER FACE IS ON THE AUSTRALIAN CURRENCY.
9. SHE CAN SPEAK FRENCH FLUENTLY.
10. SHE OWNS AROUND 200 RACING PIGEONS.
11. IN 1976 SHE SENT AN EMAIL FOR THE FIRST TIME.

The research found from:

<https://www.townandcountrymag.com/society/g9234793/queen-elizabeth-facts/>

LEGOS

~ Mohammad Shhadeh ~

LEGOs were Designed by Ole Kirk Christiansen in 1946. Ole Kirk was born on April 7, 1891, in Denmark. As a child, he enjoyed carving figures. He grew up to be a carpenter. In 1916, Ole Kirk bought a carpentry shop in Billund, Denmark, and started building homes and furniture. His business was very successful. But when the Great Depression came, many people were penniless. Ole Kirk had to adapt to keep his business running. He began selling less expensive items including furniture and toys.

People loved his toys, so he focused on designing new ones. In 1943, Ole Kirk gave his toy company a name. He blended the two Danish words leg and got into the word "LEGO", meaning "play well". A few years later, Ole's son, Godtfred, started designing with his father at age thirty. Godtfred was born on July 8, 1920. In 1946, Ole bought a special machine that casts plastic into different shapes.

Ole began making toys out of plastic, including rattles, cars, and trucks. He also created a set of small bricks that easily snapped together. Ole Kirk called them "LEGO Automatic Binding Bricks". In 1953, Ole shortened his invention's name to LEGO bricks. Ole died on March 11, 1958. By then, Godtfred, Ole's son, became one of the company's leaders. Building LEGOs was now a family business.

Godtfred wanted children to be able to use LEGO toys in many creative ways. In 1955, Godtfred introduced the "LEGO System of Play". This system included 28 Lego sets and 8 toy vehicles. Children enjoyed the new LEGO system; however, the bricks didn't always stick together tightly. Godtfred added tubes to the bottoms so the bricks snap together and hold tightly. Godtfred filed a patent for this clever design. He died on June 13, 1995.

The 1960s saw a huge growth in sales of Lego products. The first LEGO sets went on sale in the United States in 1961. Soon, they were being sold throughout the world. In 1969, DUPLO bricks were introduced for young children. They were larger and wider than the original LEGO bricks. This makes the DUPLO bricks safer and easier for young children to use. Even today, LEGOs delight children and adults.



How Devices and Electronics Make People Lazy

~ Hisham Shaik ~

Devices and electronics are making people lazy. For example, instead of walking one block, you use the car that makes you lazier and pollutes the environment as well.

50 years ago there weren't so many devices and electronics. Devices are making people lazy, and even less smart. For students, it even lowers your grade. Let's see how:

Years ago in school students didn't have calculators, but kids have them now. Right now you're probably thinking, "Huh? How does that make a difference?" Well, I'll explain.

Since kids have calculators, they don't practice their math properly. They just type the question down on the internet, or just use the calculator to answer. They don't use their mind and that's how their brains become weak and lazy. When these kids go to high school and they forget their calculator and they don't have computers there to use, and since they always use a calculator, guess what? They will most likely fail their exams or quizzes.

That was only for studies. Now, let's see about walking and cars.

Years ago there weren't many cars. Now there are millions, people used to walk a lot, they even walked miles to get somewhere. Now what? No walking at all. You're probably like, "NO! I do walk still." Let's see it then.

Everyone still walks but lots of people if they have to go uphill one block, instead of walking since it is an uphill you go in your car, there are two things about that. First, you're polluting the environment by using your car, second, if you walk your body would stay healthy in a car you just press the accelerator and just steer, that does not make your body healthy.



That's for what happened years ago, let's see what will most likely happen in the future.

People are now inventing robots, robots to do stuff to clean your house, automatic driving, doing laundry, dishes, and even cooking for you.

Inventing robots may be very cool, I think that too but if robots will do everything, then what you will do is sit down in a chair in front of the computer/TV, which will make us very lazy. Right now we already are lazy but in the future, we will be multiple times lazier.

Here are some ways to stop that:

- 1- Keep exercising
- 2- Eat healthily
- 3- Don't miss any meals
- 4- Stay hydrated
- 5- Go to bed and wake up every day at the same time
- 6- Try to use your brain more than using the internet



REMEMBERING LUNA

BY: SHANZAY SHAIK

PROLOGUE

Long, straight, dark brown hair which glinted red under the gaze of the sun, framed a perfectly angular visage. Beautiful almond-shaped eyes, rich brown in color, turned dark and stormy in a minute and shone like stars the next. She was tall and graceful, shy and quiet. She carried herself with an elegant air of regality, which was hard to miss. Her posture was one that commanded respect and served as a warning. She was seldom roused out of her good nature but when she saw any injustice or wrong, it tested her patience sorely and the aggravator would find out just how deadly and dangerous she was. She could ride a horse bare saddle on the toughest terrains. She was an ardent warrior; who could wield a sword, draw a hundred-pound bow with ease and never miss a target. Throw shuriken with breathtaking accuracy.



The girl blended in with the shadows, for she was the one known as Luna. Luna had always been a carefree child, raised in the lap of luxury, till a terrible accident changed her life for the worse, for she had fallen into an endless pit of darkness, a pit with no way out.

Stay on the lookout for the next issue of Remembering Luna!

Chapter one, featuring new characters, suspense, and a flight into the wilderness!!!



Photos from the photographers



From: Dawud Qadri



From: LEILA IDHEILEH