bee'ah school of environment

Green Generation

AN ENVIRONMENTAL MAGAZINE FROM BSOE

ISSUE 06



COVER STORY

YOUNG EMIRATI SCIENTEST

ADEEB ALBLOOSHI

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A LETTER FROM THE BSOE TEAM

vw GREEN AMBASSADORS, WE MEET AGAIN!

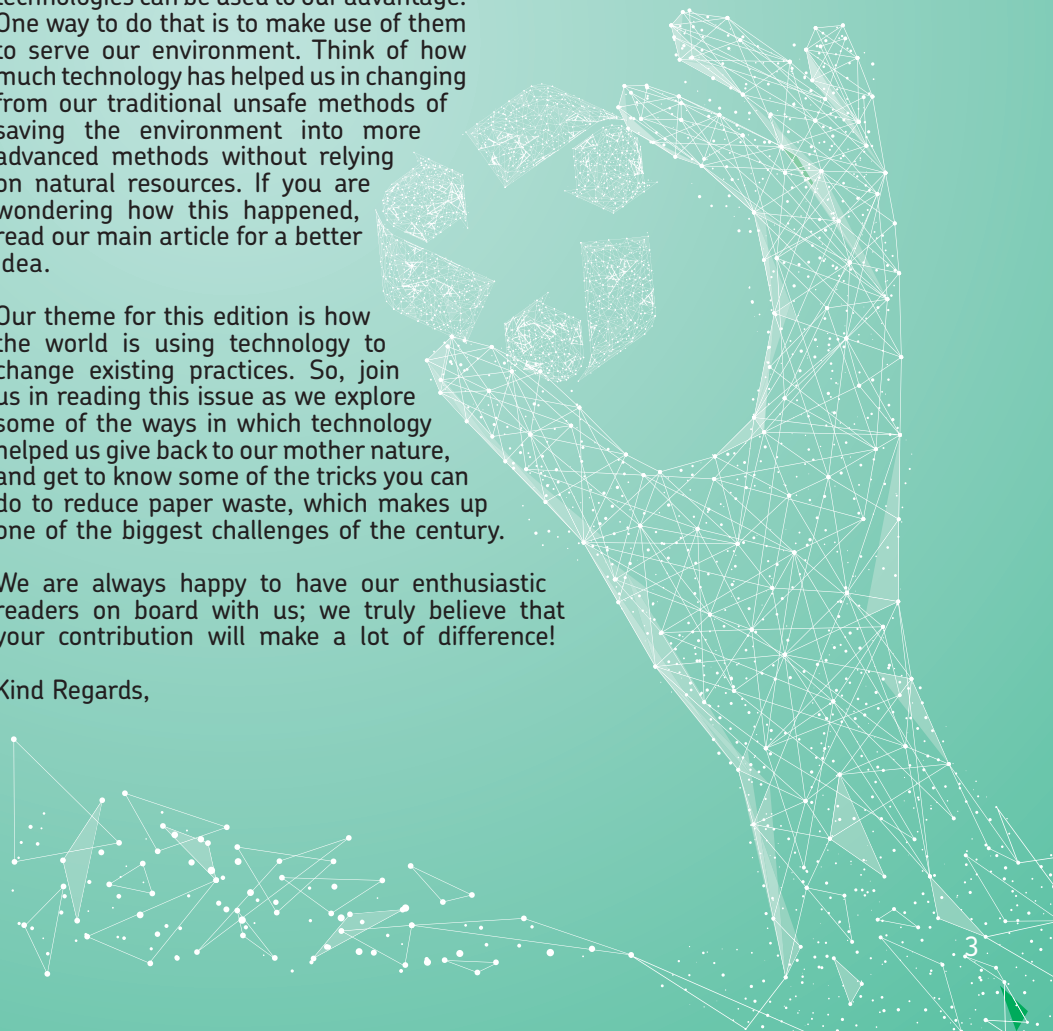
This time we are back with some exciting topics to share with you.

As we can see, technological developments are happening so fast we barely have enough time to catch up with them. The good thing though is that these technologies can be used to our advantage. One way to do that is to make use of them to serve our environment. Think of how much technology has helped us in changing from our traditional unsafe methods of saving the environment into more advanced methods without relying on natural resources. If you are wondering how this happened, read our main article for a better idea.

Our theme for this edition is how the world is using technology to change existing practices. So, join us in reading this issue as we explore some of the ways in which technology helped us give back to our mother nature, and get to know some of the tricks you can do to reduce paper waste, which makes up one of the biggest challenges of the century.

We are always happy to have our enthusiastic readers on board with us; we truly believe that your contribution will make a lot of difference!

Kind Regards,



A WORD FROM OUR CHAMPIONS

BEE'AH CHANGED OUR LIVES!

One of the biggest decisions that changed my life is my participation in the EESA competition. My choice was greatly influenced by the encouragement of my teachers and the help of my friends who were willing to join me in this journey. And with an intention to win, we walked towards this challenge heads on.

The launch of our project started by forming a selected team of eight environmentalists that showed a great concern toward the environment and willingly desired to bring changes to the society by displaying various creative ideas.

After sleepless nights of researching, we had our first meeting where we brainstormed some concerns facing the environment and tried to find practical solutions. One of the challenges facing the environment is plastic and this was the key problem that helped us embark the start of our project.

Furthermore, we started experimenting on producing a biodegradable plastic from renewable resources, which we found it does not entirely decompose. Further researches led us to shrimp shells. In addition to the failing experiments, some team members and teachers were starting to lose hope. Despite this, the rest of the six environmentalists and I were determined to keep going.

> "IT'S NOT WHERE YOU START BUT WHERE YOU FINISH THAT COUNTS."
>
> – Zig Ziglar

Amidst of hopelessness, this one quote was a pushing force that led us to succeed in making a bioplastic from shrimp shells and win the first position in the EESA. I wish that this project gets developed and save the world from plastic.

Nada Nouchi – Grade 12
New world American private school



GET TO KNOW ME BETTER

Known as the “genius”, and the “young Emirati scientist”, the 14-year-old Emirati boy, Adeeb Alblooshi, has been able to bring many scientific achievements and inventions to his community over the past eight years, showing that age is not a barrier to the realization of dreams.

How did your passion for invention start?

I have always wanted to Find solutions for problems facing me or my loved ones. We were on a cruise when I saw my paralyzed father taking off his medical device installed to his foot so he could get into the sea and swim with us. At that time, I felt very worried about him. I was afraid he would hurt his foot or injure himself. I did not enjoy the cruise that day, and my family felt the same. I was four years old, and I remember telling my father,

> “WHEN I GET OLDER I WILL MAKE YOU A WATERPROOF MEDICAL DEVICE.”

It did not take me long to start thinking and doing research. And thank God, after a year and a half I fulfilled my promise to my father. This marked the beginning of my journey.

What has been the biggest success and unforgettable moment for you?

Certainly, it was the moment I met our inspiring leader, His Highness Sheikh Mohammed bin Rashid Al Maktoum, when I was honoured with the Emirates Top-Ranking Students Medal. I was so pleased to see him that I flung myself into his arms, and he kissed and embraced me. I felt the love of a father for his children. Frankly speaking, I wished that moment would have lasted forever. When you are in the presence of a person with such greatness, the feeling is indescribable.

Another memorable moment was when my family and I were welcomed by His Highness Sheikh Mohammed bin Zayed Al Nahyan, to his palace. He honored my sister Dana and I and gave us so much of his time. His words are still engraved in my heart and mind. He expressed his pride in our achievements and urged us to keep pursuing our studies and to persevere.

How did you develop your talent?

Time management skills are very important. I’m very keen on not wasting a single second, and I always keep my appointments. I have a precise plan and a set schedule. I spend my time between my studies, travel, social media, attending conferences, experimenting in laboratories, writing and researching, exercising, surfing the Internet etc.

I think to develop your talent you need to be well organised, always persevere, plan properly, get an adequate amount of sleep, and most importantly have self-confidence. I am very thankful for the exemplary care and attention that my sister Dana and I receive from my mother and father, as they are reason the behind all the success in our lives.

Can you please name some of the awards you have received?

- An international honor from Egypt, where I received the “Generation’s Personality of the Arab World” Award.
- Canadian GoExcellence Award.
- Gold Medal from the Davidson Center for Space Exploration, Alabama.
- Ranked first in the competition of Prince Abdulaziz Bin Abdullah International Entrepreneurship Award / Riyadh, as the best innovative child for 2015.
- Intellectual Property Award from INTERPOL.

What is your future ambition?

To be a notable Emirati scientist, to benefit all people with my knowledge, and most importantly, serve my beloved country, UAE.

> “If you stumble, don’t surrender. just get up and keep trying as hard as you can, and you will succeed for sure, because you are one of Zayed’s sons. Our country needs us to work hard and diligently in order to raise the name and flag of our beloved country. And remember, never give up.”



GREEN CHALLENGE

Bee'ah's heros are searching for objects in the landfilled, can you help them find the objects in the picture:





HOW TECHNOLOGY CAN SAVE US FROM ACTIONS THAT HARM THE ENVIRONMENT

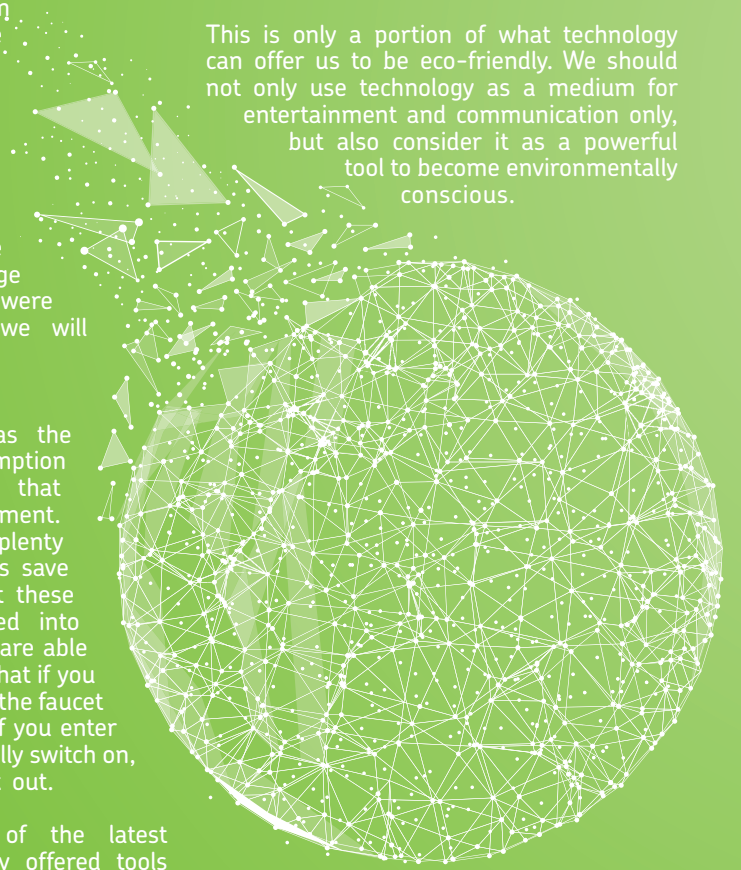
While technology and nature may seem like two separate areas, they are actually more connected to each other than we think. In so many ways technology can help us be more environmentally friendly and move away from habits that may harm the environment. This article will give us a better idea of how this came about.

To start with, because of technology, people are using less paper and relying on digital devices to take notes, save files, distribute publications, and exchange receipts. If more people were encouraged to do that, we will reduce paper waste vand save forests.

In addition, technology has the power to change our consumption habits, especially ones that negatively affect the environment. For instance, there are plenty of technologies that help us save energy and water. Amongst these are sensors that are fitted into water taps and lights. They are able to detect human motion so that if you move your hands away from the faucet the water stops flowing, or if you enter a room the lights automatically switch on, and turn off once you walk out.

To add to that, some of the latest developments in technology offered tools that can help us monitor whether people are being environmentally responsible. For example, in some parts of the world, environmentalists use drones in place of security cameras to fly around specific areas and make sure that no one is hunting animals illegally. In other areas, drones are used to plant trees by scattering seeds in places that may be hard to reach.

This is only a portion of what technology can offer us to be eco-friendly. We should not only use technology as a medium for entertainment and communication only, but also consider it as a powerful tool to become environmentally conscious.



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& RECYCLE YOUR BATTERIES TODAY!



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DID YOU KNOW

BAMBOOS ARE THE **FASTEST** GROWING TREES, THEY GROW UP TO **35** CMS IN A DAY.

MORE THAN **%25** OF MEDICINES WE USE COME FROM RAINFOREST PLANTS.

THE LARGE AMOUNTS OF WOOD AND PAPER THAT WE THROW AWAY EVERY YEAR CAN HEAT UP TO **50,000,000** HOMES FOR **20** YEARS.

THE **LARGEST** TREE IN THE WORLD IS IN **CALIFORNIA**, AND IT MEASURES MORE THAN **360** FEET.

THE **OLDEST** TREE IN THE WORLD IS MORE THAN **4,600** YEAR OLD.

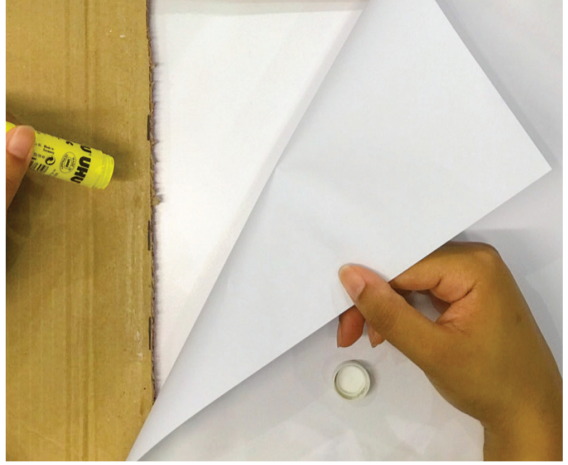
FROM WASTE TO ART

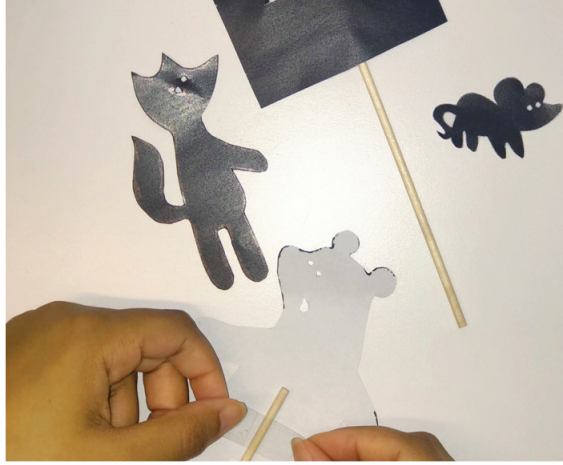
MINI SHADOW THEATER MADE FROM A CARDBOARD BOX:



MATERIALS:

- Cardboard Box
- White A2 paper
- Glue
- Tape
- Scissors
- Marker
- Wooden sticks
- Cutter
- Paint
- Brushes
- Black colored images (based on your storyline)
- Flashlight

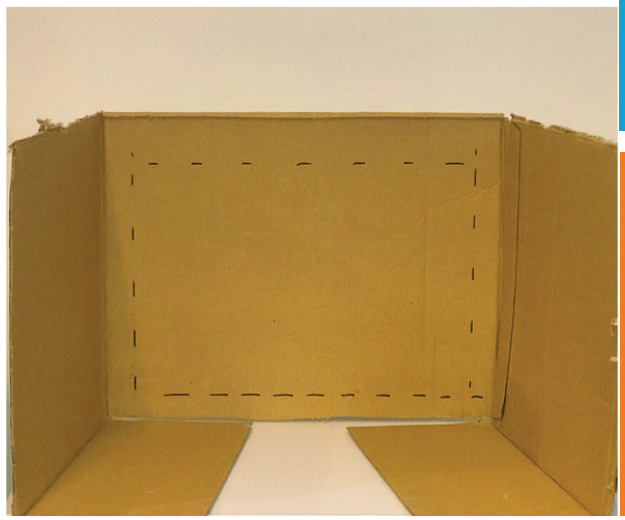




- Using the glue, stick the A2 paper, from the inside of the box.

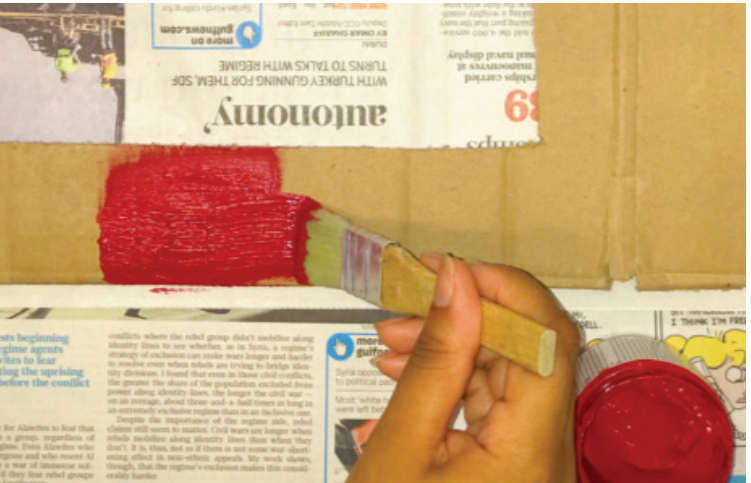
- Attach the images on the sticks by using the tape (You can be as creative as you want, and use characters to match the story you're telling)

- Cut the box, leaving, three sides and the bottom (as shown in the picture).
- Draw a window on the front of the cardboard box by tracing black dots to make it easier for you to cut.



- Place a flashlight on the inside part of the box, and direct the light towards the paper.





- Paint the exterior of the box (Place it on a used newspaper to avoid making a mess)



- Now you have your mini theater ready to entertain your audience.

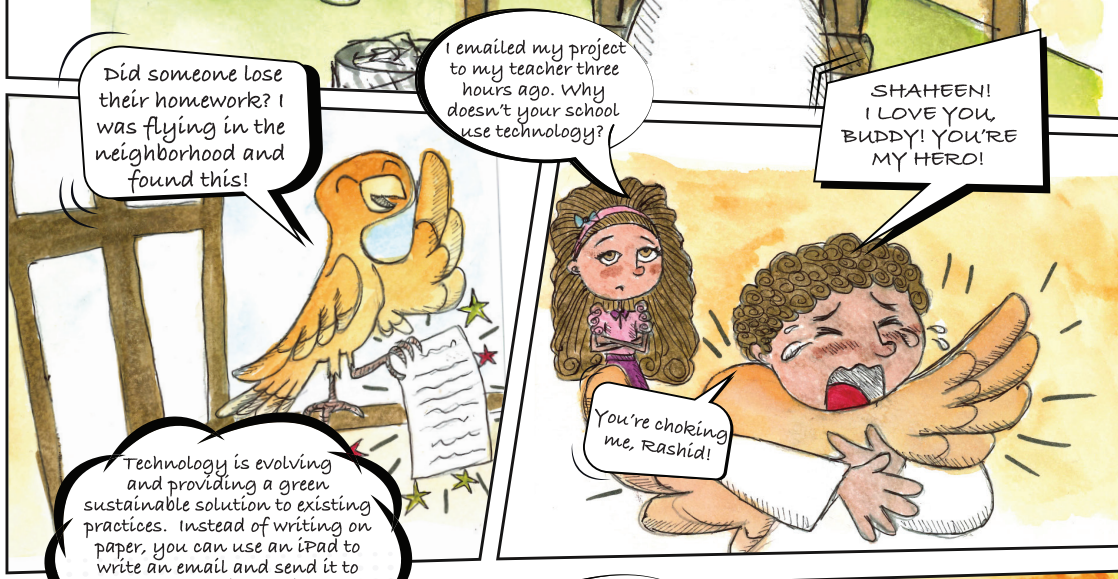
SHAHEEN'S MINI ADVENTURES WITH FRIENDS

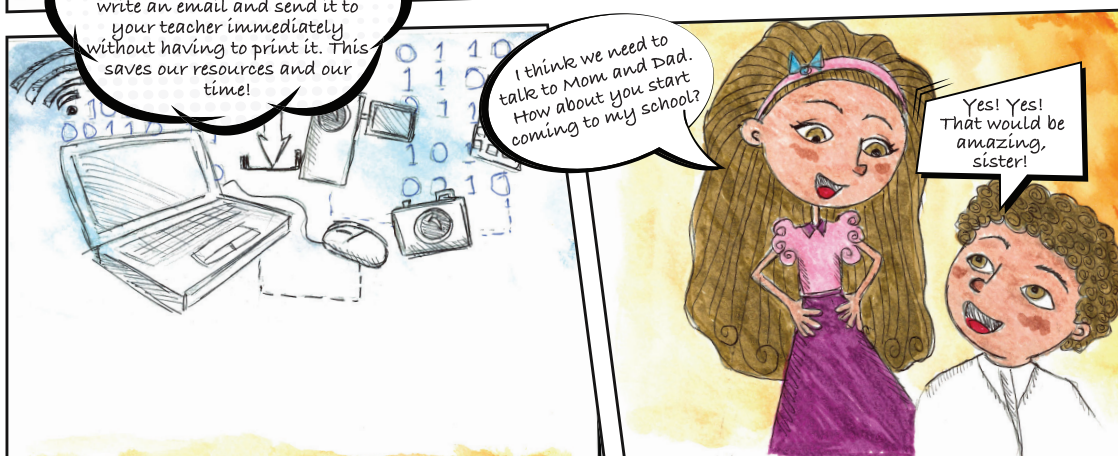












BE FEATURED



عمل فني بالخط العربي لعام زايد قدمة الفنان ضياء علام

Calligraphy artwork by Diaa Allam for the year of Zayed



مشاركة مدرسة المجد النموذجية للبنين في عزف وغناء النشيد الوطني في حفل جائزة المدارس للتميز البيئي.

Al Majd Model school for boys participating in the Environmental Excellence School Award ceremony by singing the UAE National Anthem



الشيخ الدكتور عبدالعزيز بن على النعيمي يلقي كلمة في حفل جائزة المدارس للتميز البيئي.

Inspiring words by Dr. Sheikh Abdul Aziz bin Ali Al Nuaimi (Green Shaikh)

اعرض انجازاتك



مدرسة لبنى بنت حباب للبنات، الفائزة بالمركز الثاني في جائزة المدارس للتميز البيئي، فئة افضل فيلم بيئي

Lubna Bint Hubab School, 2nd place winner in the Environmental Excellence School Award, Best Environmental Film category



روضة النفائس ، الفائزة بالمركز الثاني في جائزة المدارس للتميز البيئي، فئة افضل تجربة علمية بيئية

Al Nafaeas KG, 2nd place winner in the Environmental Excellence School Award, Best Environmental Science Experiment category



مدرسة ليدرز الخاصة، الفائزة بالمركز الثالث في جائزة المدارس للتميز البيئي، فئة افضل فيلم بيئي

Leaders Private School, 3rd place winner in the Environmental Excellence School Award, Best Environmental Film category