bee'ah
school of environment

Green Generation

an environmentalmagazine by BSOE | ISSUE # 11

50 عـام الخمســين YEAR OF THE FIFTIETH ٢٠٧١ UAE

MAIN ARTICLE

THE UAE'S VISION: TOWARDS THE NEXT 50 YEARS

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A LETTER FROM THE BSOE TEAM

Our Green Ambassadors,

As a country that puts the future of the coming generation as a core in its agenda, the next 50 years is an invitation to engage citizens to collaborate towards establishing a better and sustainable UAE.

To mark 50 years since the country was founded, the UAE is on a journey to prepare for the coming 50 and has driving ambitions to become the best country in the world by 2071. This was announced last year with the purpose to empower citizens and inspire the youth to work towards realizing and achieving long-terms goals that will enable them to do their part and carry forward our founding father's legacy. You can come to learn more about this as you read on.

Like we have accustomed you, the magazine will feature a number of activities you can enjoy alone, or with friends and family.
You can start by seeing some testimonials from our BSOE champions, discover new cultural and historical destinations in the UAE, and end your read with our fun selection of challenges and comics.

We wish you a memorable and fun summer vacation.

Best Regards,
Your BSOE Team

WORDS FROM OUR CHAMPIONS

STUDENT

Paving The Road to Prosperity

The UAE's Golden Jubilee is a momentous year, a remarkable milestone for both its rulers and its people; it calls for big goals, big dreams, and big plans for the continuous development of the nation. It's been 50 years since the formation of the country we call home, and the flourishing progress we've seen is far from coming to an end. With all the achievements that the UAE has made, this is only the beginning. The more years pass, the greater this country becomes— and even as a young high school student, I am glad I was given a chance to play a part in its growth.

Our nation's future depends on its youth. The progress that has been built over the past would not exist without the UAE's Founding Fathers, but the progress towards the future would not exist without us. In 2021, we must play our part as citizens in honor of those who have molded the UAE into the nation that it is today— a nation that is built upon the pillars of responsibility, destiny, knowledge, and prosperity.



Every single one of us has a skill, a talent, a gift that we can use to help our country flourish. I have always wondered how I could do it until I joined an EESA competition.

I may not be the perfect activist, but I have learned that advocacy was never about perfection. It was always about one's effort and hard work. I have participated in two EESA competitions so far, the first one being about marine pollution and the second one being about sustainability. My first competition involved making a short film, wherein I served as the scriptwriter of our team and acted as a minor character. For the second competition, I worked on my own to create a magazine. I could bring my passion for art into making a digital magazine about sustainability in the UAE. I created Gaia Cycle; a visual-heavy magazine targeted at the youth of today. Despite working alone, I enjoyed the process because it was what I was passionate about. Throughout the creation up to the outcome of the project, I learned so many things about sustainability and the future of the UAE. And just like before, seeing the positive impact it had on its readers amazed me and inspired me to do more for our one and only home. I could never be more thankful for receiving an opportunity to fight for our planet and especially drive others to do the same. But my journey's only beginning, and if you have not started yours, there is no better time than now.

In the grand scheme of things, our individual actions may not seem like much. But we must remember that the key to a prosperous country belongs to not only its rulers but its citizens as well. Change starts with us, and realizing this is the first step to creating a better future. We've experienced the greatness of the UAE in the past 50 years– now it's time for us to build towards the next 50.

Gianna VIDA
The New Filipino Private School

WORDS FROM OUR CHAMPIONS

TEACHER

A nation that has proven it's ability to turn adversities into opportunities...
A desert land turned into a green oasis. One among the top best and advanced nations in the world, with a high global standard of living. It is a country that welcomes all the nationalities and ideas with open hands and thus named as the Nation of Tolerance. There are innumerous projects taking place in UAE with the aim of achieving sustainability and some are cited below.
The country is diversifying its focus on energy resources from natural gases to renewable sources of energy even though the nation is very much rich in oil reserves. So that itself proves to the world that how much a country can be a selfless role model on taking care of its nature all for the future sustainability and the generations to come.
These UAE sustainability initiatives include the UAE Vision 2021, The UAE's 2030 Agenda for Sustainable Development, the UAE Centennial 2071, and the UAE Energy Strategy 2050, which sets a %50 target for clean energy in the country, among others.
All the fields are developed standing at the base stone of sustainable vision. The Environment in Vision 2021 is targeting at a sustainable environment and infrastructure by 2021. The UAE has set Key Performance Indicators to measure its targets and launched initiatives to achieve the same.
In line with Vision 2021 and National Agenda, the UAE needs to generate 27 percent of the energy requirements from clean energy sources, reduce its per capita greenhouse gas emissions and achieve average oil consumption of 5 tones per person by 2021.

Bee'ah, the Middle East's leading sustainability pioneer, announced that it will convert 47 hectares of Al Saja'a landfill area into a state-of-the-art solar energy farm in Sharjah once the landfill is capped. This is the first of its kind in the region solar energy landfill project set to generate more than 42 mega-watts of energy per year. Bee'ah has helped Sharjah achieve a 76 percent waste diversion from landfill rate and is fast approaching the 100 percent diversion of waste with the launch of the Sharjah Waste to Energy Facility in 2021 by the Bee'ah-Masdar joint venture, Emirates Waste to Energy Company. Sustainable cities projects in UAE are the best examples of happiest communities in GCC where people are living hand in hand with nature and UAE has a vast and promising community that is ready to compromise any conventional paradigms for nature and sustainability. If we take the example of these projects and all the agendas considered for the National development, we can see that sustainability is the priority.

Nadiya Zainal
India International School-Sharjah

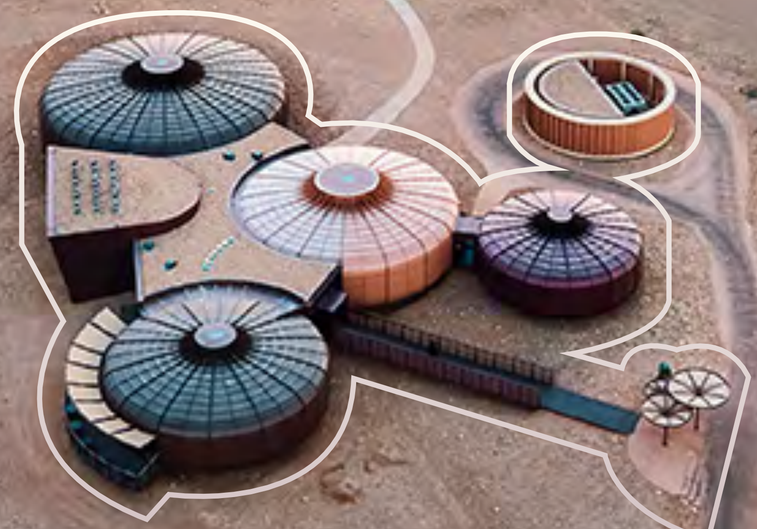


Buhais Geology Park

This new park in Sharjah takes you back 93 million years! A park that showcases how an ancient cataclysm jump-started life and formed the local landscape of the region 93 million years ago opened in the geological wonderland of Al Buhais in Sharjah.

Located within the eroded remains of a ridge that once connected Jebel Buhais and Jebel Aqabah mountains, the sprawling park is billed as a treasure trove for geologists as it offers an unprecedented glimpse into the pre-historic past of Sharjah and its adjoining areas.

The Buhais Geology Park by Hopkins Architects seems to have been part of the desert since ancient times. Located 50 km from Sharjah in the United Arab Emirates, the project area contains marine fossils over 65 million years old and burial sites dating back to the Stone, Bronze and Iron Ages. Hopkins Architect landed what resembles a spacecraft, consisting of five interconnected capsules whose shape is inspired by the fossilized urchins found at the site. In order to minimize the impact on the environment, the building has been raised from the ground, on which it rests in only a few points. The prefabricated concrete structure is covered with steel panels, which have been colored in the same shades as the desert landscape of the Emirates. The pods accommodate exhibition areas, an immersive theatre, a café offering panoramic views of the dramatic Jebel Buhais ridge rising some 100 metres above, a gift shop and other visitor facilities. In some pods, glazing and oculi have been inserted to control natural light into space, tempering the brightness of the desert sun. Using a series of model-based interactive displays, the Centre explores the region's mountains, sand dunes and the Arabian Gulf as dramatic evidence of the area's rich tectonic history over time, in particular, the disappearance of an earlier ocean and the creation of the limestone mountain ranges of Jebel Buhais.



Though primarily an educational resource, the park is also an important visitor attraction in the area. Visitors and researchers will be given the opportunity to examine local rocks and fossils. There's an outdoor trail linking the pods that is designed to encourage visitors to explore the mountain range, and it incorporates viewing areas, a classroom shaded by a canopy and raised walkways across various geological sites, unusual rock formations and ancient burial grounds. Geological and paleontological evidence show the area we now know as the UAE was originally covered by an ancient sea called Tethys. A rich variety of marine life flourished in the shallow waters until about 70 million years ago.

Today, the remains of many of these marine creatures can be viewed as one walk along the park's outdoor trail or explore its indoor exhibits housed in gigantic inter-connected pods made of cast iron.

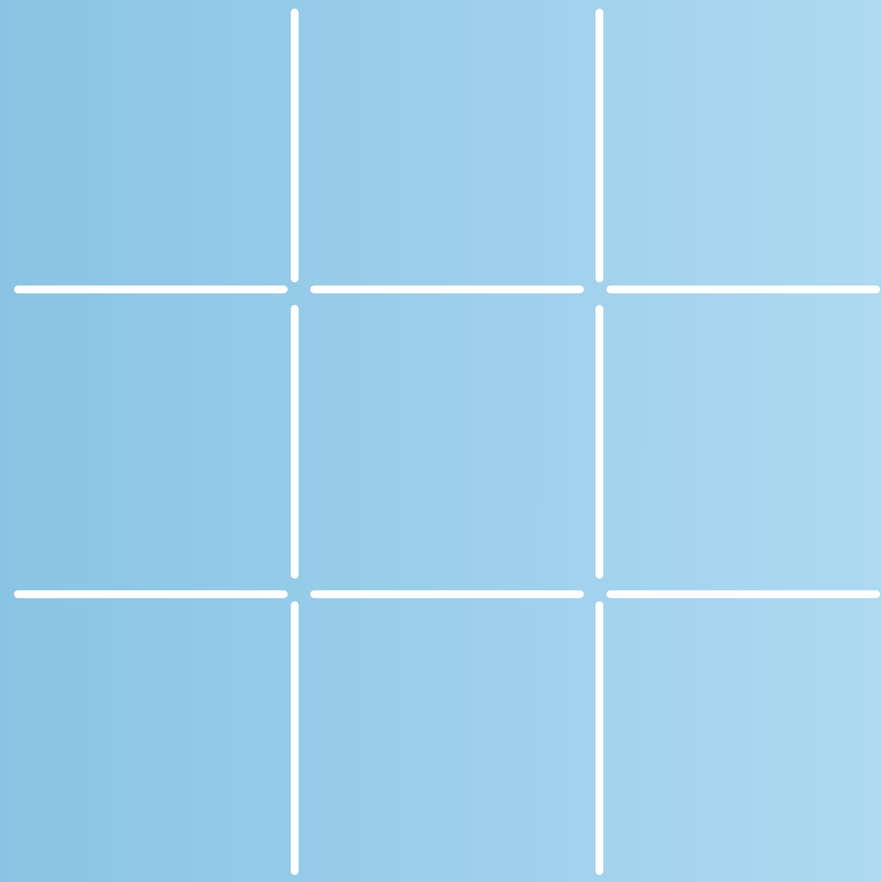
This dramatic building, built on a former seabed running through an area of great geological significance, is a tribute to the history of the region, this exciting new facility will encourage many people from all over the world to understand the way in which landscapes are formed by tectonic activities and how the Earth has changed over time.

GREEN CHALLENGE

MOVE THE STICKS

MOVE 3 STICKS TO MAKE 3 EQUAL SQUARES :





ANSWER:

GET TO KNOW ME BETTER

Tell us about expo 2020?

It is a World Expo to be hosted by Dubai in the United Arab Emirates, The Expo 2020 is the first World Expo to be held in the Middle East, Africa, and South Asia regions and this has made it the largest event to ever be staged in the Arab world. The event that will span over 173 days will be welcoming 190 participating countries and allows a space for the world to explore a variety of opportunities and exhibit the latest technologies that span across all industries.

What to expect in Expo 2020?

Dubai Expo 2020 has one primary theme and that is: “Connecting Minds, Creating the Future.” The theme is ideal for today's climate, especially at a time when technology is bringing the world together and helping us connect while we starved of social interaction. While “connecting minds, creating the future” is the primary theme of the event, the sub themes are made up of: Opportunity.
Mobility and Sustainability.

What is Terra - The Sustainability Pavilion?

The Sustainability Pavilion is where we explore the relationship between nature and people and pushing people to think about how they could respect nature in the way that they consume things, and the way they lead their everyday lives.
As you explore the Sustainability District, you will see some of the world’s most advanced technology in action, what countries are doing to champion sustainability, and experience how humans can enjoy living in harmony with nature in a high-tech future.

What is the role of Expo in the field of sustainability?

Expo 2020, with all its infrastructure, innovations, and collaboration, serves as a blueprint towards a viable future, establishing sustainable benchmarks and leaving a meaningful legacy for generations to come.

Every day, more and more of us take a sustainable path towards a future where we all live in balance with our only home: Planet Earth. As we join forces, small actions grow into positive global movements that will help communities protect and preserve the world around us.

And Also, There is a giant solar canopy on the top of the pavilion with over a thousand solar panels, and 18 energy trees in the gardens that rotate to follow the path of the sun. we have also got technology that collects water from the air, and a greywater recycling system that aims to reduce water use by up to %75. It’s a %100 self-sustaining building in the middle of a desert, showing that sustainability is achievable everywhere.

What will the visitor explore on Terra- The Sustainability Pavilion?

Real life solutions to real world problems, the visitor will have the chance to explore the three areas on the Terra and make decisions related to his choices. And that’s all on those three areas: Wander through forest roots, Dive into ocean depths and See Earth's wonders corrupted.

What do you say to our readers who are interested to visit The Sustainability Pavilion?

Expo for all ages! To make your visit as smooth and memorable as possible, we have a range of services for families with infants and children. And we hope you like it and have an extraordinary experience!

DID YOU KNOW

Carbon dioxide emissions per capita have declined from highs of 80 metric tons per capita in 1970 to 22.44 metric tons per capita last year.

In 2005, the UAE became one of the first major oil-producing countries to ratify the Kyoto Protocol to the UN Convention on Climate Change.

In 2007, it was reported that UAE has the highest ecological footprint per capita with 10.68 gha per person. In 2015, the ecological footprint decreased by 27% making it to be at 7.75 gha per person.

UAE initiated a strategy to convert 50% of its taxi fleet to hybrid and electric vehicles by 2021.

Since March 2015 it has become mandatory for all construction companies in Dubai to use green concrete instead of the usual Portland cement

The UAE aims to extract 24% of its energy from clean energy sources in 2021.The UAE launched ‘Energy Strategy 2050’ in 2017, which is considered the first integrated energy strategy in the country.

The UAE's Vision: Towards the Next 50 Years.

It is no coincidence that we are almost halfway through the year and the country has made breakthroughs hailed by everyone around the world; amongst them being a new visa scheme and the National Vaccination Programme. Until the 31st of March, 2022, expect to see more major announcements in the news. His Highness Sheikh Mohamed bin Zayed Al Nahyan said, "*The UAE is about to mark a major milestone in its modern history as it approaches the Golden Jubilee with rising hopes and aspirations to strengthen its cultural position in the journey of humanity.*"

As a celebration of completing 50 remarkable years since the union of its seven Emirates, the UAE has declared 2020's theme as Towards the Next 50 Vision. The theme is focused on developing the youth's talents and creating a responsible generation who can continue the legacy left by our founding fathers.

"*We want to develop our plans, our projects, our way of thinking. Fifty years ago, UAE founders designed our lives today… Today, we want to design the next fifty years for the new generations.*"

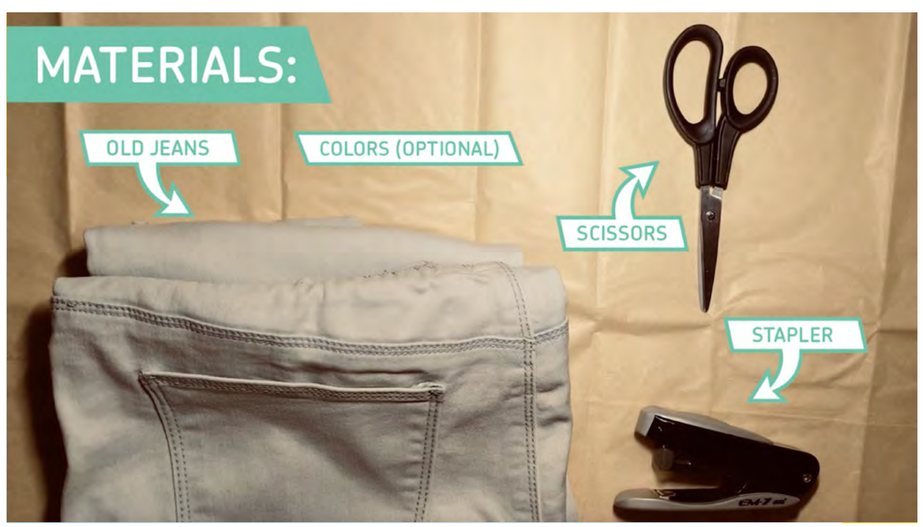
HH Sheikh Mohammed bin Rashid Al Maktoum
Vice President and Prime Minister of the UAE, and Ruler of Dubai

To implant the seeds of responsibility in the succeeding generation and encourage them to utilize the energy and talent invested in them, the UAE Government has launched a digital portal where participants can submit their ideas and be actively supportive in shaping the UAE's next 50 years. Participation is open to citizens and residents, and covers sectors like: health, education, social development, economy, environment, housing, tourism, entrepreneurship, investment, skill development, societal values, culture, family relations, sports, youth, food security, science and advanced technologies.

FROM WASTE TO ART



Learn how to make your own jeans case, by following the steps in this short clip.



CLICK ON THIS VIDEO TO VIEW THE STEPS



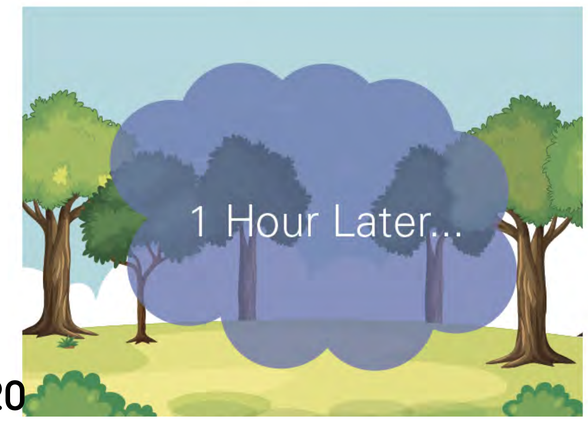






Rashid & Maryam went for a picnic with their parents to the park

















Our country is working towards a sustainable future and aiming for zero waste, Bee'ah launched the Emirates Waste to Energy company, to develop Waste to Energy projects across the region!

Waste to energy?

Yes, all the non-recyclable waste will turn to energy by Processing 300,000 tons of waste per year, to produce 30 MW of clean energy, and power up to 28,000 homes in Sharjah with electricity.

This is great!

Rashid look! Number 50 again on the poster beside you.

Baba, why is number 50 everywhere??

It's the year of preparation for the next 50 years. His Highness Sheikh Mohammed bin Rashid Al Maktoum and his Highness Sheikh Mohammed bin Zayed Al Nahyan, announced 2021 to be the year of preparation for the next 50 years. The launch of "2021: Towards the next 50" comes at a turning point in the UAE history, as it prepares to celebrate the 50th anniversary of it's union in December 2021. The year of preparation for the next fifty requires community collaboration to advance our development drive and its sustainability and fulfill our aspirations to a better future for our UAE.

And a social vision will be developed to ensure engaging the whole society in shaping the future of the UAE to become the most advanced country that embraces the best wellbeing strategies worldwide.

That's nice! I love my country! Maryam let's suggest ideas for the next 50 together

This is a good idea Rashid! Let's do it!

BE FEATURED



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ECO BLISS - Green life the Future
Sustainability in UAE - Eco Friendly School
FEAT. EXCLUSIVE INTERACTIVE INTERVIEW

By Sonya Iqbal
INDIA INTERNATIONAL SCHOOL-SHARJAH







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GREEN PLUG PODCAST ENVIRONMENTAL SUSTAINABILITY

By Nadiya Zainal
India international school – SHARJAH

