



مدرسة سبرينج دايلز دبي  
SPRINGDALES SCHOOL Dubai

SPRINGDALES SCHOOL, DUBAI

**ENVIRONMENT  
HAND BOOK  
2021- 22**



# مدرسة سبرينج دايلز دبي

## SPRINGDALES SCHOOL DUBAI

OPPORTUNITIES BEYOND CURRICULUM

**Your Career Path Begins Here**

Quintessentially Indian, Innovatively International



ADMISSIONS OPEN  
ACADEMIC YEAR 2023-2024 **APPLY NOW**

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### Where Young Minds Learn to Think

At Springdales school, Dubai we are educating students to ensure our young people are well prepared to thrive in the ever-changing worlds of work that are ahead of them. The 21<sup>st</sup> century learner that graduates from Springdales knows how to think, how to work with others, knows how to empathize and knows how to be a leader of people.



FOR MORE INFORMATION PLEASE CONTACT

04 338 1311, 055 872 9599 | [admissions@springdalesdubai.com](mailto:admissions@springdalesdubai.com)



# School Objectives

“Our goal is to promote social justice, equality, peace and international understanding, so that man and nature can co-exist in a sustainable global environment”.

At Springdales School Dubai,

We Aim to help students understand and appreciate the environment. We constantly engage the students in various activities and Campaigns to have students play a part in the welfare of the environment. We not only have internal school activities but we also collaborate with other environment groups to share their knowledge about the environment to our students to make the world a better place

**Environment is no one's property to Destroy; It's Everyone's Responsibility to Protect**  
-Mohith Agadi

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## KHDA Framework

The quality of social responsibility and innovation skills illustrated below would be evaluated as outstanding.

**Outstanding: Students care for their school and are successful in improving its environment. Some initiate and many others take part in schemes that contribute effectively to sustainability and conservation in the local and wider world environment.**

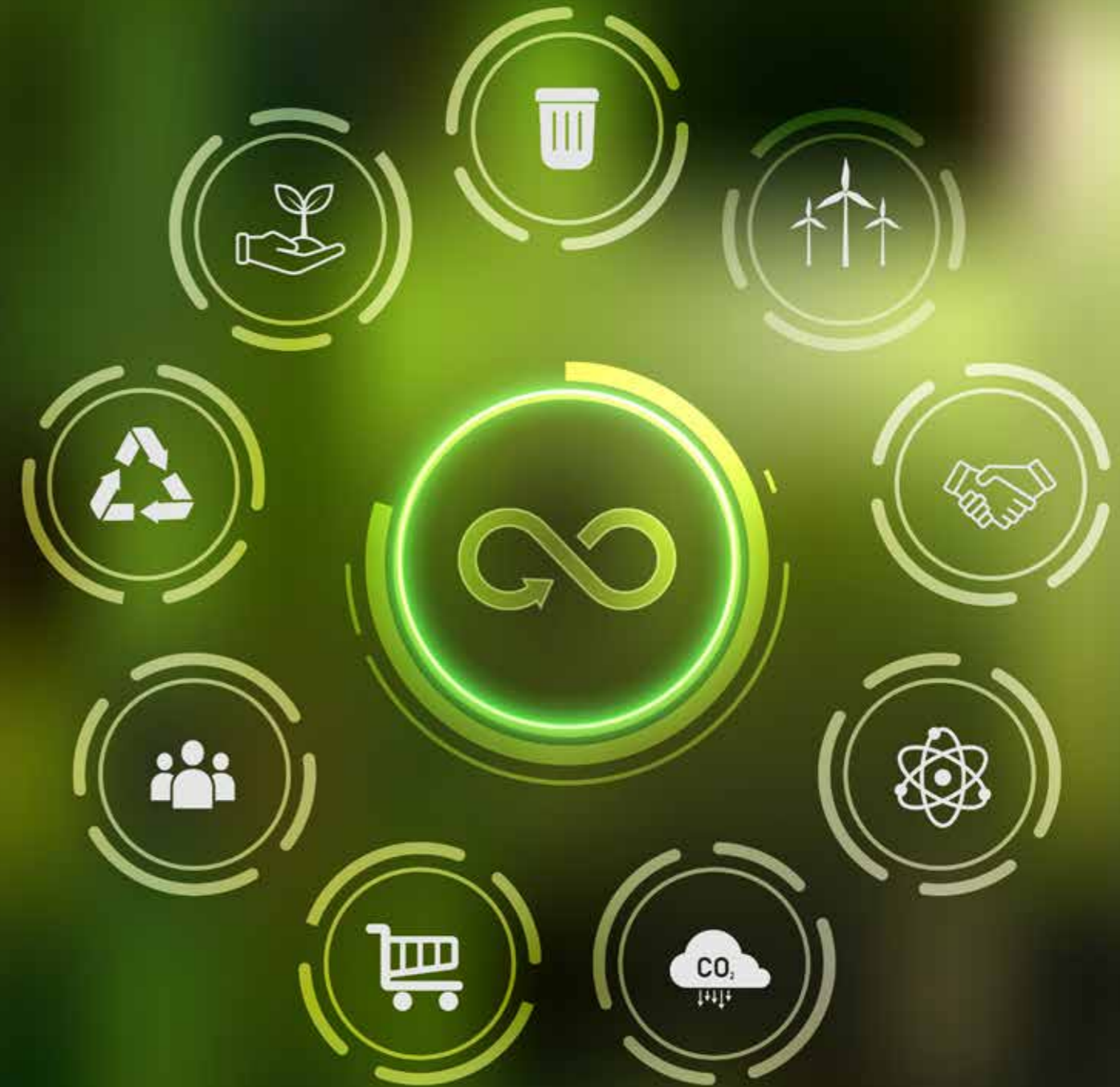
Students are responsible and contribute actively to the life of the school and wider communities, including volunteer activities. They undertake responsibilities in school through well-judged and planned arrangements. Students show care and consideration for others and demonstrate active citizenship. They have a very positive effect on the school and wider community. Their opinions are valued by the school and often influence its development.

Students have an excellent work ethic. Some lead others confidently and have creative and very practical ideas. Through well-planned projects and enterprise activities that have significant social impact, students acquire key skills to innovate and be creative. They make informed economic decisions.

Students show an insightful understanding of environmental sustainability. They actively seek ways to care for and to improve their school environment and are successful in their projects. They initiate or take part in schemes to support conservation beyond school and understand that economic decisions affect the sustainability of the environment.

**دبي**  
المعرفة Knowledge

## Innovation and Enterprise in Environment



# Life Under Water

Written by:  
Hana Sabira

Oceans and fisheries support the global population economic, social and environmental needs. Oceans are the source of life of the planet and the global climate system regulator. They are the world's largest ecosystem, home to nearly a million known species. Oceans cover more than two-thirds of the earth's surface and contain 97% of the planet's water. They are essential for making the planet liveable. Ocean temperatures and currents regulate all Rainwater, drinking water and climate. Over 3 billion people depend on marine life for their livelihood. However, there has been a 26 per cent increase in acidification since the industrial revolution. Effective strategies to mitigate adverse effects of increased ocean acidification are needed to advance the sustainable use of oceans.

adversarial effect on the functioning of ecosystems and biodiversity. This is also negatively impacting small-scale fisheries.

Here are some ways to sustain life under water:

1. Reduce marine pollution
2. Protect and restore ecosystems
3. Reduce ocean Acidification
4. Sustainable fishing
5. End subsidies contributing to overfishing
6. Implement and enforce International Sea Law
7. Increase scientific knowledge, research, and technology for ocean health

Yet, we have managed to do tremendous damage to these precious resources. It is imperative we eliminate pollution

Saving our ocean must remain a priority. Marine biodiversity is critical to the health of people and our



and overfishing in the marine environment as well as begin immediately managing and protecting them. In order to counteract climate change and preserve the oceans in the long run, we must manage them properly. The oceans - their temperature, chemistry, currents and life - create the global framework for human life.

planet. Marine protected areas need to be effectively managed and well resourced and regulations need to be put in place to reduce overfishing, marine pollution and ocean acidification.

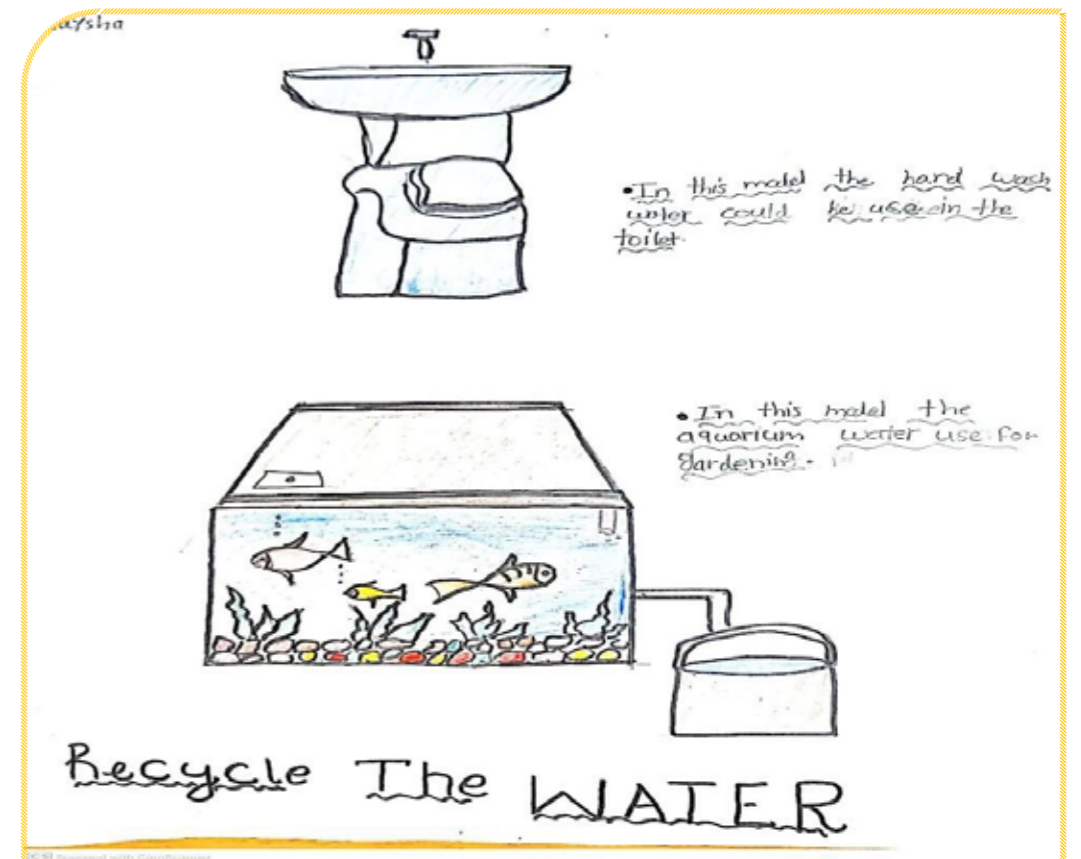
Careful management of this essential global resource is a key feature of a sustainable future. However, at the current time, there is a continuous deterioration of coastal waters owing to pollution, and ocean acidification is having an

Sustainable and climate-resilient transport, including maritime transport, is key to sustainable development. Therefore, we need to ensure the life below water is sustained and we cut down activities that pollute these waters.

# Recycle the Water



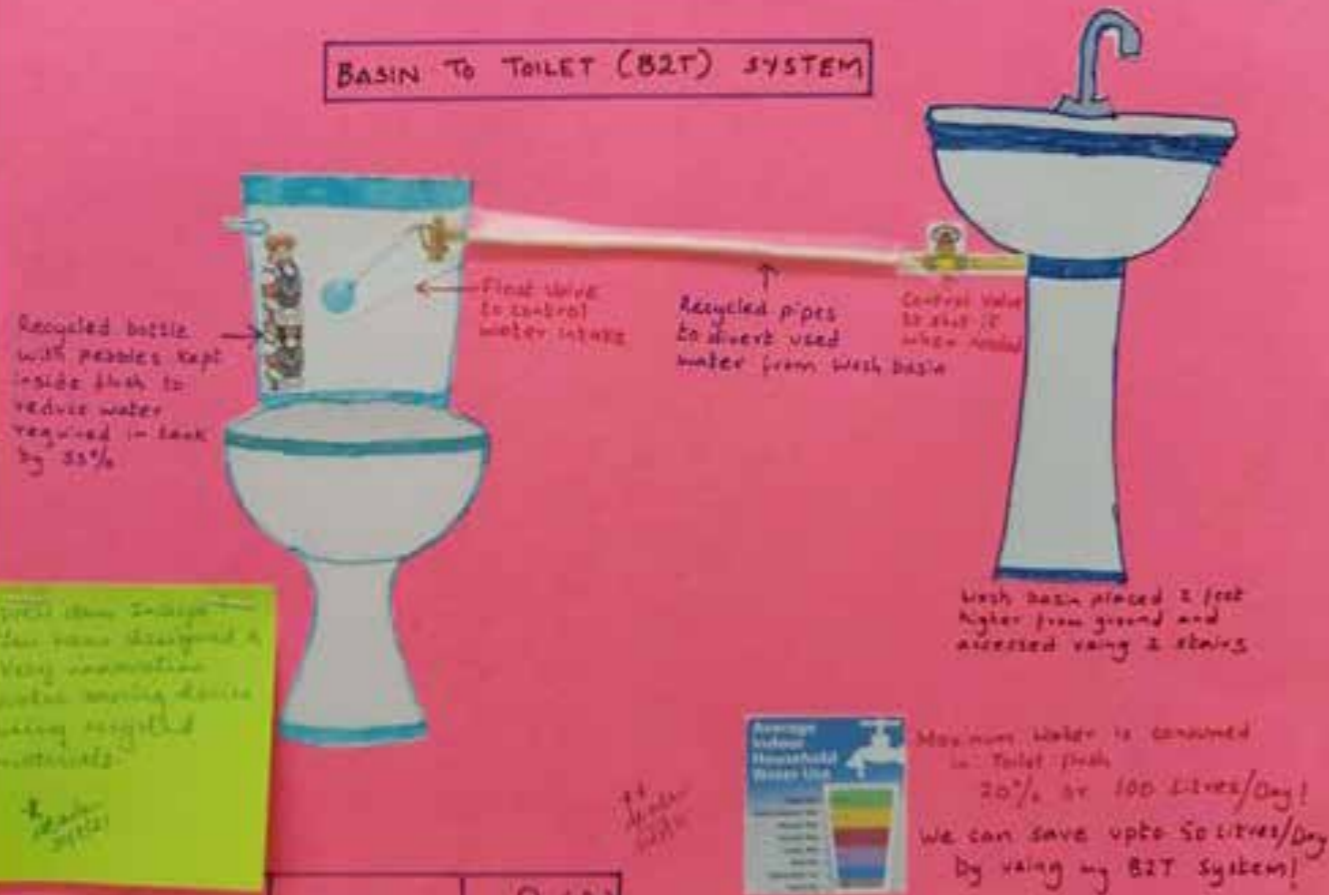
Innovation Concept by:  
Aaysha



Innovation Concept by:  
Aaysha

WATER CONSERVATION USING RECYCLED MATERIALS

BASIN TO TOILET (B2T) SYSTEM



Idea was inspired by my friend who designed a very innovative water saving device using recycled materials.

Inaya Shiza      SSD      2(A)

Innovation Concept by: Inaya Shiza

INNOVATION & ENTREPRENEURSHIP



HB 3000

The name of my drone is HB 3000. [HELPER DRONE] This drone will provide medication requirements to Liberia. Liberia has only 10 doctors available for every 1 million people. I would want to help Liberia as many people suffer from medical problems such as covid-19, Marburg virus, etc. This drone can travel 62 miles per hour, while other drones can travel 40 miles per hour. According to the map, it can travel this much distance.



There will be 5 stations on Zwendru, Pyne town, Tapeta, palala and Grahpa.

I will use Lipo Batteries. A lithium polymer battery is a rechargeable battery of lithium-ion technology using a polymer electrolyte instead of a liquid electrolyte.



I would want my idea to be used in different countries.

Innovation Concept by: Inaya Shiza

# RESEARCH WORK ON INNOVATION AND ENTERPRISE IN THE ENVIRONMENT

This article summarizes entrepreneurship and innovation as it relates to sustainable businesses. It also serves as a brief guide to how ecosystems are built and its primary purpose is to spark your curiosity to learn from the best practices we mention throughout.

The seven ingredients needed for a successful entrepreneurial ecosystem are-Vision, Network, Execution, Risk taking, Innovation, Inclusivity, Date and Insights.

Environmental innovation aims at reducing the impact

**The environment and the economy are really both two sides of a coin. If we cannot sustain the environment, we cannot sustain ourselves**  
-Wangari Maathai

of products and production processes on the natural environment. Innovation allows us to achieve more ambitious policy goals. It allows organizations to see a way to meet the environmental goals more cheaply. It creates winners- creating new markets, business opportunities and exports.

Environmental innovation can promote clean production,

which can decrease environmental pollution from the production source. Eco-innovation negatively impacts carbon emission and positively influence a firm performance.

Environmental enterprise is an environment friendly business. It is a business that produces a value in the same manner which an ecosystem does, neither consuming wastes nor consuming unsustainable resources.

Sustainable Entrepreneurship aims at protecting nature, life support and community. Successful sustainable businesses are focused on the creation of new products and services that addresses ecological and social concerns in new ways. Sustainable Entrepreneurship can involve starting a new business or creating a new product in an existing business. It can impact companies of all sizes, from a very small to the world's largest. To be successful in sustainable business practice, often requires entrepreneurship and innovation.

The world has to change if it is to survive. Here are some of the interesting innovations that could save the planet.

**It is our collective and individual responsibility to preserve and tend to the world in which we live**  
-Dalai Lama



## The Smog Free Project-Mastermind - Daan Roosegaarde



It is a campaign for clean air to reduce air pollution and provide an inspirational experience of a clean future, including a series of urban innovations such as the Smog free Tower. It is a local solution of clean air in public places. It is a smog free tower, 23 feet height, sucks in polluted air, cleaning it through a process of ionization before releasing it again. At its peak it cleans 30000 m3 of air per hour.

## Zephyr Solar An autonomous solar Balloon bringing electricity to disaster zones



Ecofriendly Generation.  
Created by Karen Assaraf, Julie Dautel and Cedric Tomissi.  
It takes the form of a helium balloon. It assists those deprived of electricity in disaster areas. It can generate electric energy anywhere. This solar processed balloon can be deployed in under an hour, can fly for 30 days at a time, withstanding winds of 43mph and can fly at great altitudes.

## B Droid Robotic Bees



Innovative approach to create robotic bees that can pollinate crops as effectively as their organic counterparts. Its mission is to help boost the natural bee population by giving low nutritional and high labour pollination tasks to robotic bees. Can identify and pollinate crops effectively.

## GRO Oasis Water Box



Growing trees in the desert is now a possibility. It is a planting device that makes growing crops in the desert possible and resource efficient. It comprises "intelligent bucket" "made from recycled paper which can germinate seeds, incubate saplings and water plants. Requires 90 percent less water than traditional growing methods and can be used in some of the most extreme climates in earth.

## The Seabin-Cleans



the oceans safely with trash bins. Can filter out plastic, detergents and oil allowing clean water to flow back out. Inside the bin is a catch bag which traps any floating pollutants.

Also, Public electric transport, electric trucks, Cheap energy storage, plastic recycling, LED

Light efficiency, Accessible Solar power, carbon capture and many more.

Entrepreneurship ecosystem building is a long game and often takes decades to see sustained impact within communities. It is imperative for all practitioners to become lifelong learners of ecosystem building and to mentally prepare for the missteps that will undoubtedly take place along the way.

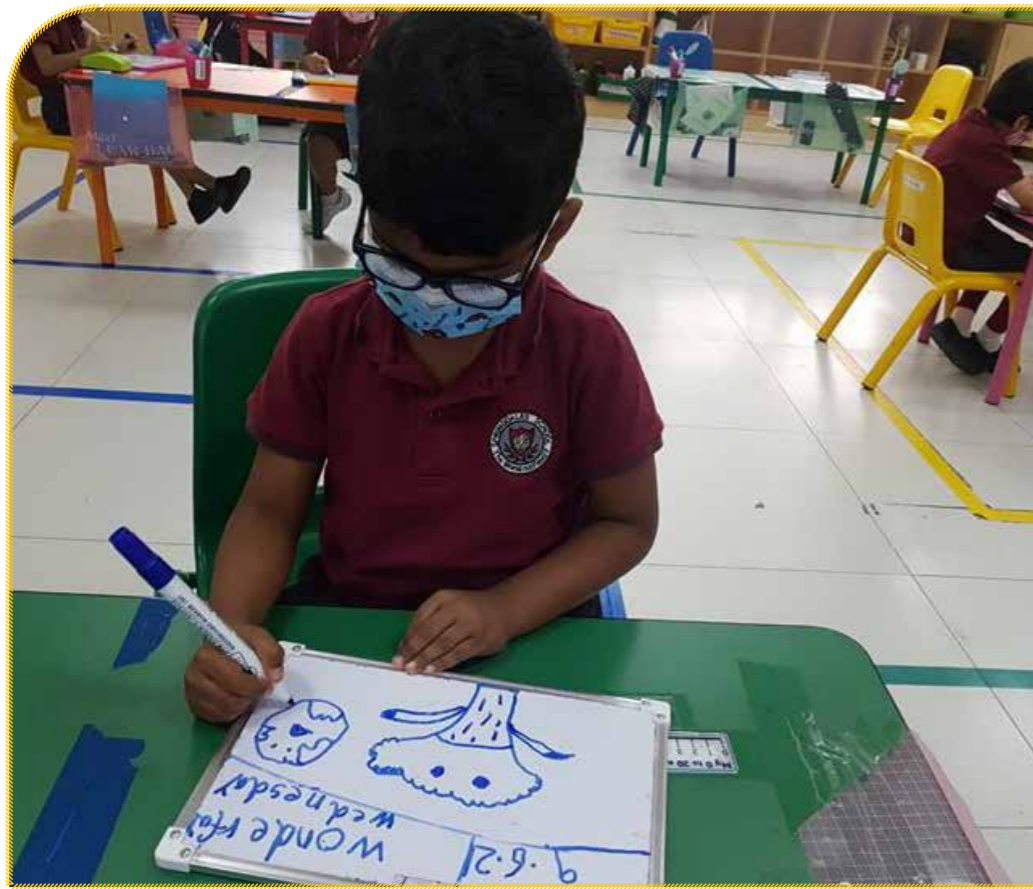
The conclusion is that a strict environment policy can create the sense of urgency and powerful incentives for environmental innovation.



## Foundation













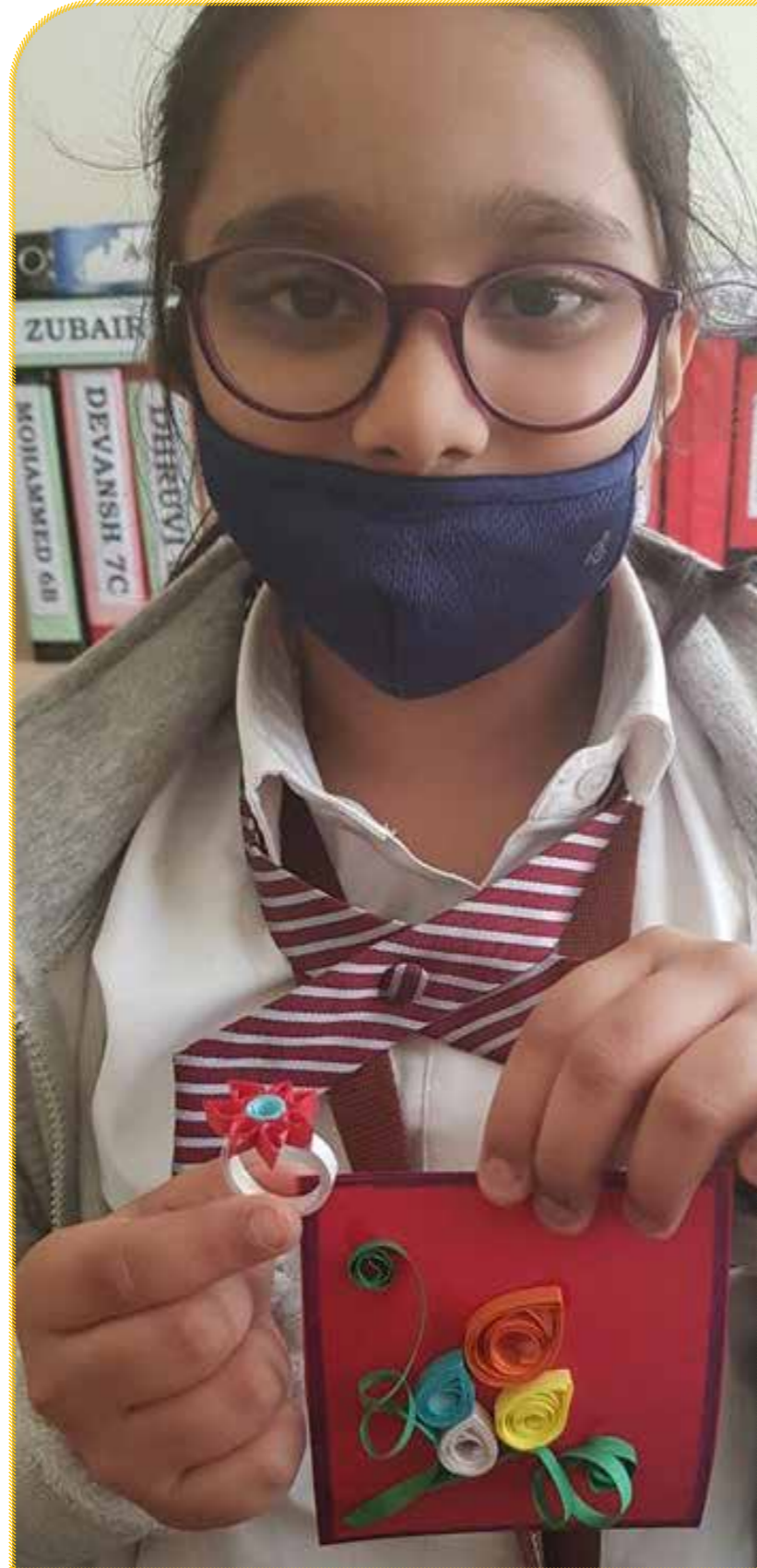


## My Sensor Bot !



This is sense the sensor Robot.  
This Robot can identify whether a animal has eaten any garbage thrown in the sea or whether its going close to it (garbage).  
It can pick out all of the garbage with the help of the clutcher.  
The robot also has a camera which you connect with your device and control the robot.  
It also identifies whether people are throwing garbage or not.  
This way we can save different marine species!

# SAWA



# STUDENT WORKS







Innovation Concept by:  
Aditya

# Agua Sinsal

Written by:  
Hana Sabira

Countries all over the world all have access to salinated water, but the problem we're facing is having clean, pure water. My proposed solution is a solar desalinator. Desalination separates water molecules from seawater using reverse osmosis technology. Under extreme pressure, water from the ocean is forced through thousands of tightly wrapped semipermeable membranes. Smaller water molecules can pass through the membranes, leaving salt and other impurities behind. Up until now, all desalinators have been powered by electricity or some other form of non-renewable energy. I am proposing a solar desalinator that runs purely on solar energy. Although this product is already available in the market, it is quite expensive for developing countries to afford on a large scale.

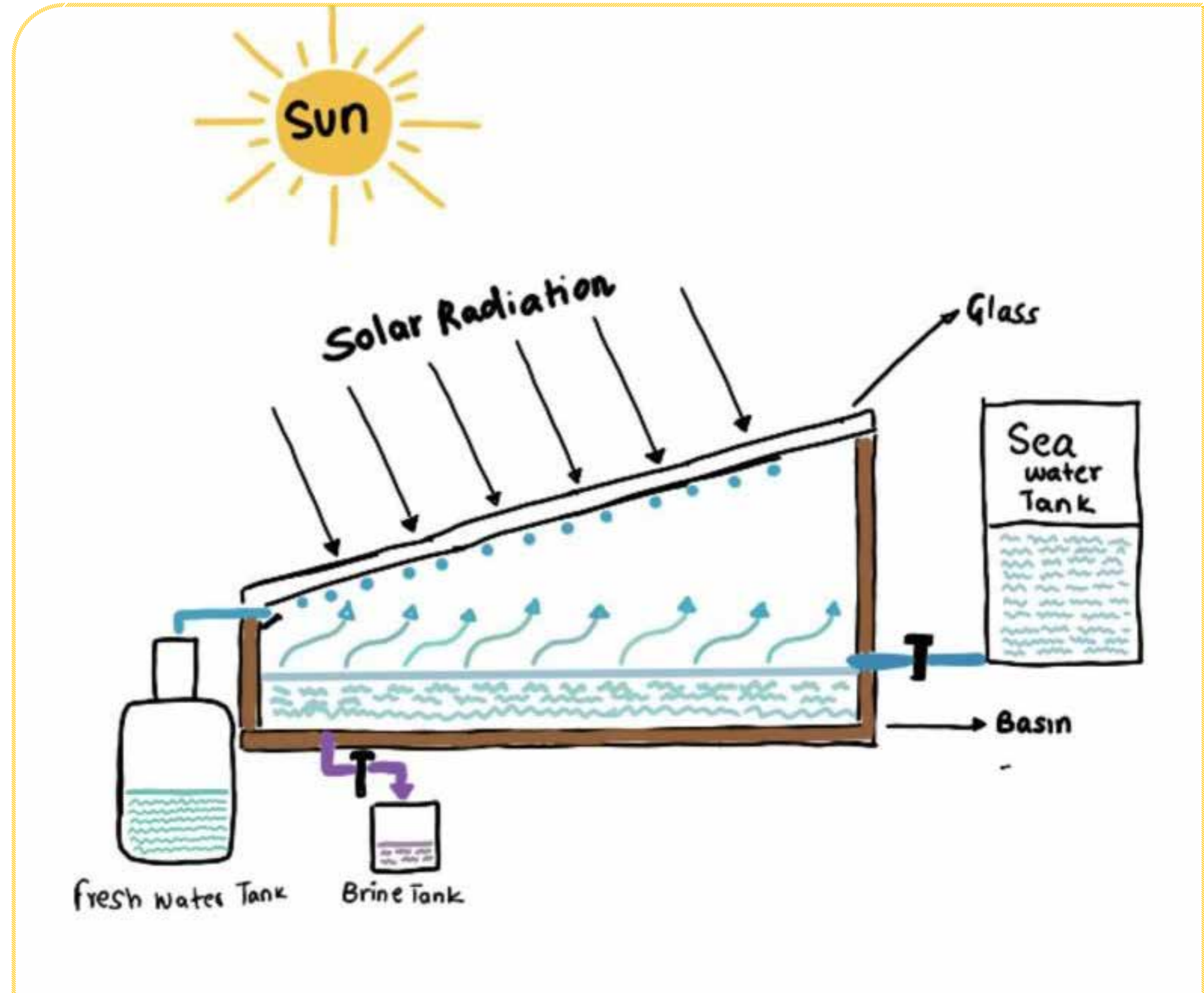
My agua sinsal would be build of a portable machine that can be easily dismantled according to the customer's needs.

Furthermore, the brine water can't help frow fishes that can only exist in saltwater such as halophiles.

The main reason I love my solution is that solar desalination achieves a new level of efficiency in harnessing sunlight to make fresh potable water from seawater.

This will help solve one of the biggest problems in the world, the lack of clean water in developing countries.

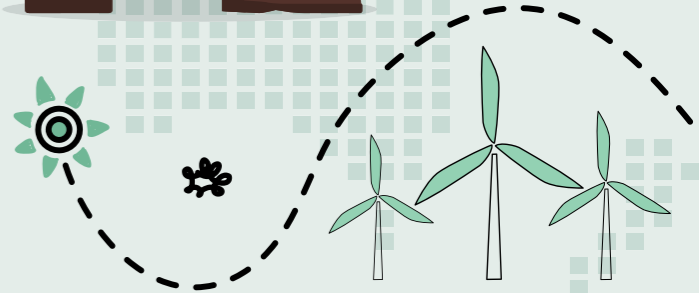
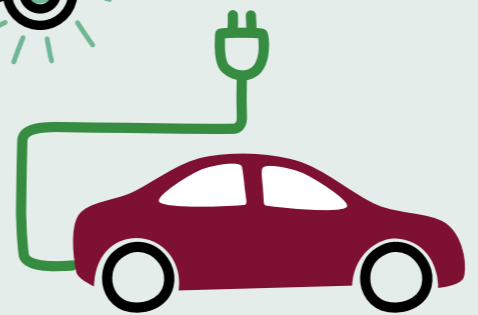
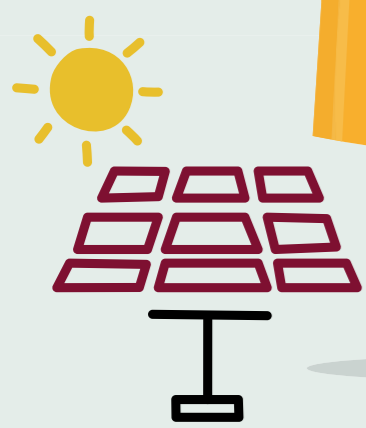
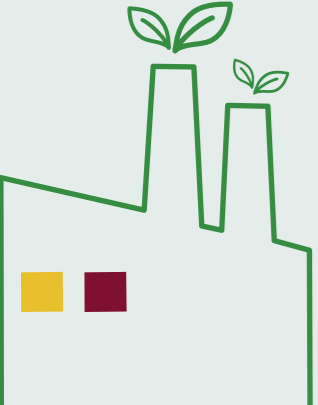
This will save many lives among young kids and the elderly, who are more prone to water-borne diseases.



# Initiatives



CO<sub>2</sub>



### DUBAI CAN

Sustainability initiative by His Highness Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of the Executive Council of Dubai.

The initiative aims to reduce reliance on single-use plastic water bottles in Dubai by providing free and safe drinking water stations throughout the city.

Creating lasting change takes the commitment of a whole community. We can show our commitment by being part of Dubai Can and building greater awareness for our children and to school's sustainability practices and programs.  
**@Dubaicant #Dubaicant #Refillforlife**

### AUS

Participated in the survey for SDG Attended the ceremony

### ARCEDETECH

Participated in the survey for SDG and received the certificate. Climate Action project - Take action global

- Goals project 2022
- EEG Drawing competition 2021 & 22
- EEG Inter school public speaking competition 21 & 22 EEG Student workshop 2021

### DEWA EARTH HOUR

### DEWA - CONSERVATION OF WATER AND ENERGY RESOURCES

### JUNK COUTURE

Junk couture organized a mini competition for headpiece design. Junk Couture challenged students to design and create a wearable celebratory headpiece marking the UAE Golden Jubilee using only recycled materials. Students also had to make a short video explaining what improvements they think the UAE can make in the next 50 years to become more sustainable.

### POP FESTIVAL

The International Conference and POP Festival for Youth-Led Climate Action, 2021 organized by the POP Movement, took place from JUNE 5-10, 2021. In addition to the global festival event that year, specific days of the festival will be dedicated to "Celebrating Youth and Amplifying Regional Voices" from the United States; Mexico-Latin America and the Caribbean; Africa and the Middle East; and Asia, Europe and other regions through sub-festival events.

The festival did the following

1. Advocate for youth-led climate action in the US; Mexico-Latin America and the Caribbean; Africa and the Middle East; and globally;
2. Amplify the voices of youth, communities, and stakeholders and promote cross-sectoral, cross-country, cross-regional, and inter-generational exchange, learning, and collaboration;
3. Celebrate the showcasing of climate action and coming together as a global community to lead change for a safe and sustainable future.

### INTERSCHOOL VIDEO MAKING COMPETITION

The 'Hold That Drop' campaign spearheaded by Abu Dhabi Indian School has successfully carried out various initiatives within the city of Abu Dhabi, spreading awareness of the need for water conservation. It commemorated 'World Water Day' on the 22nd March 2021, the school announced the Inter-School Video Making competition on ways to save water. Students of Springdales School Dubai participated from grades 6-9 and the winner of the competition was Adhiraj Nain from 10-C.

### CLEAN UP DRIVE

### NEIGHBOURHOOD RECYCLING

EEG launched a new cycle for the project, the "Neighbourhood Recycling Project 2021", from 1st June till 30th September 2021. Students collected material by engaging their neighbours and community to support the cause. Students had a 2-week period from the date of their first submission of the poster in form of a PPT to complete their target. An excel form was provided to each student to log the quantity.

### ECO MONITOR

ECO Monitors regularly assess the use of resources, act as re-cycling monitors, give presentations within assemblies and take ownership of a complete range of ECO projects, with the goal of inspiring the school to become increasingly sustainable and even more Eco friendly. Eco monitors are assigned from each class and must ensure the smart boards, air-conditioning and, lights are switched off when not in use.

### ECO CORNER

### CORRIDOR BOARD

### RECYCLING COLLECTION DRIVE

### WORLD ENVIRONMENT DAY ASSEMBLY

### WATER ALLIANCE

Water Alliance is a local non-profit organization raising awareness on the value of water, and has offered an exciting opportunity to students. Primary and secondary students are invited to join the 2nd edition of the RE-NEW Challenge. Students had to ideate a solution tackling a water issue of their choice locally or globally.

### Conscious planet - Save soil movement

Save Soil is a global movement launched by Indian spiritual leader Sadhguru to address land degradation and advocate for healthy soil. At Springdales School Dubai, we have a group of student volunteers who aim to spread awareness through different art forms i.e., Dance, music, and Art.

### DRESS UP DAY

### INNOVATION

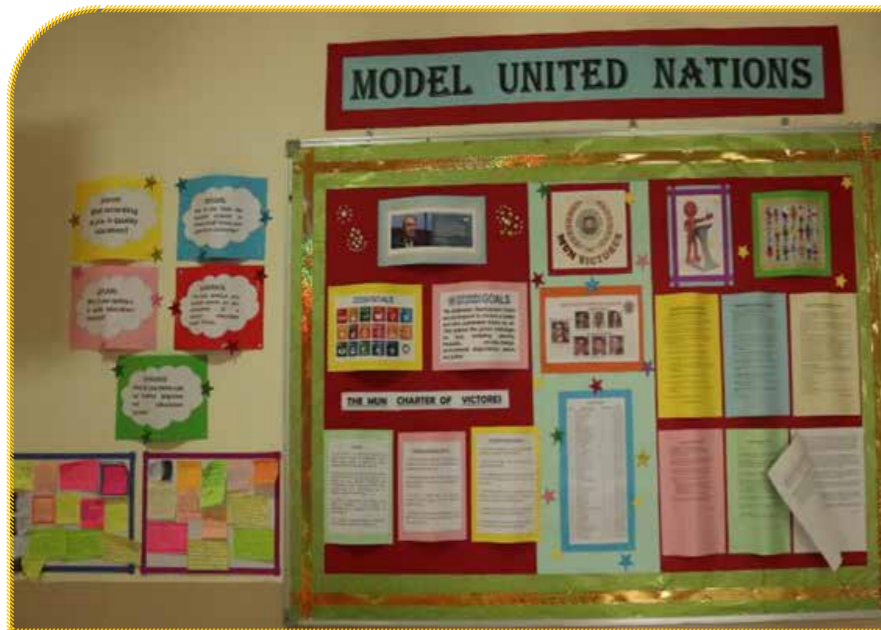
### QUIZZES

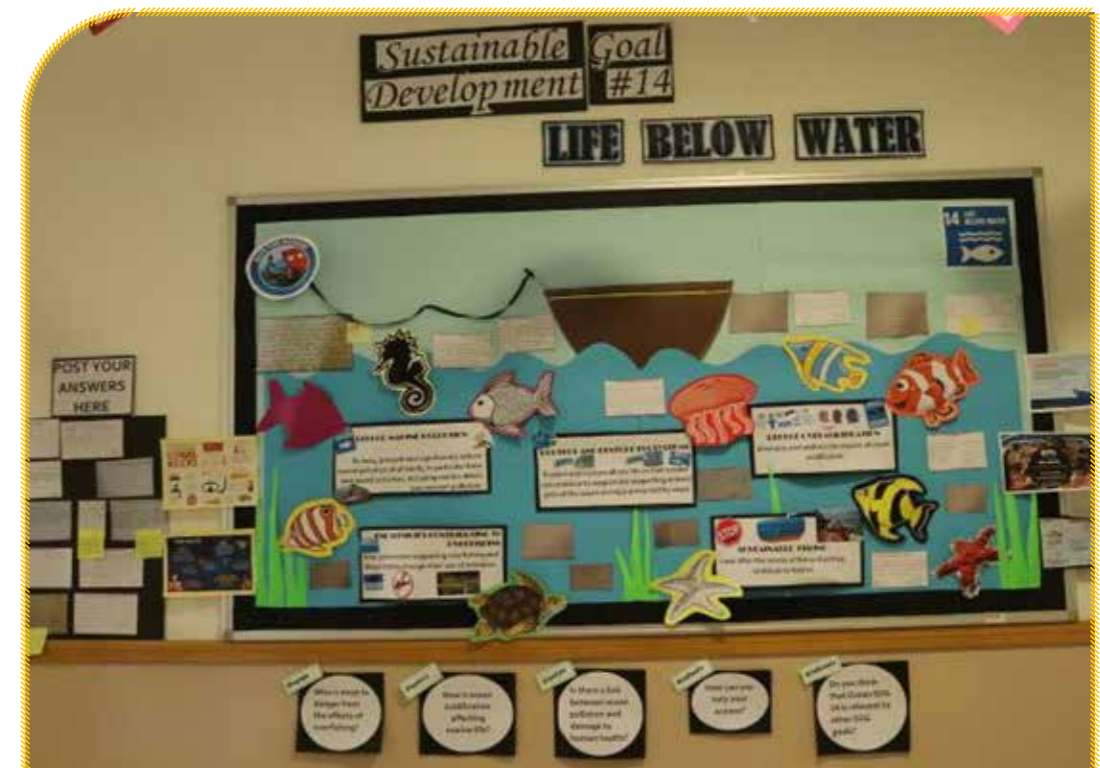
### QUESTIONNAIRE

### WORLD OZONE DAY ERVIS



# Arcedtech





# Clean Up UAE

تحت رعاية

UNITED ARAB EMIRATES  
MINISTRY OF CLIMATE CHANGE  
& ENVIRONMENT

الإمارات العربية المتحدة  
وزارة التغير المناخي  
والبيئة



نظفوا الإمارات

Ras Al Khaimah ديسمبر 12	Abu Dhabi ديسمبر 11	Dubai ديسمبر 9	Fujairah ديسمبر 7	Ajman ديسمبر 6	Sharjah ديسمبر 6
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رعاية الرئيبيون

التعاون مع

تنظيم

OASIS	DEPARTMENT OF MUNICIPALITIES AND TRANSPORT	بلدية دبي DUBAI MUNICIPALITY	M.S.A	EEG
ZURICH	بلدية مدينة أبوظبي ABU DHABI CITY MUNICIPALITY	بلدية دبي DUBAI MUNICIPALITY	محمية سبخ الشلم	مجموعة عمل الإمارات البيئية EMIRATES ENVIRONMENTAL GROUP

الشركاء الإعلاميين	المؤسسات الداعمة	شريك العلاقات الإعلامية الرسمي	الرعاة الداعمون	الراعي المشارك
CHANNEL 4 climate control GULF NEWS	BYRNE مصانع البتيريك للبتيريك Fujairah Plastic Factories	asdaabow 20 YEARS	CP CANPACK مرفأ أبو ظبي AJUZHAB TERMINALS DUBAI INVESTMENTS RAKBANK OUNASS	McDonald's

f | @ | in | eegemirates

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# DEWA- Conservation of water & energy resources

## WHERE IS OUR WATER LOCATED?



## HOW IS THAT POSSIBLE?

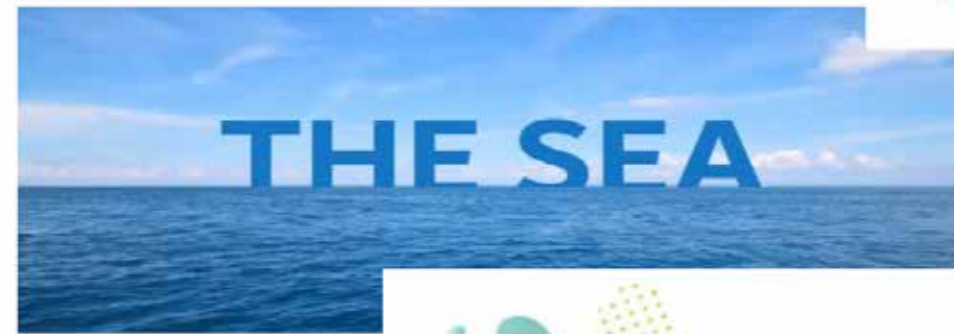
No one can drink that much water in a day!



## HOW DOES THE CLEAN WATER GET TO OUR HOMES AND SCHOOLS?



1,537 km  
UNDERGROUND PIPES



BUT WE CAN'T  
**DRINK SEA WATER!**

## WHERE DOES ELECTRICITY COME FROM?



**OIL? SUN?**  
BUT HOW DO THESE  
RESOURCES TURN INTO  
ELECTRICITY?



ELECTRICITY CONSERVATION TIP 3



**UNPLUG** YOUR COMPUTER AND OTHER **MACHINES** WHEN NOT IN USE.

1

ELECTRICITY CONSERVATION TIP 2



CLOSE THE **REFRIGERATOR DOOR** AT HOME AND IN THE GROCERY STORE.

ELECTRICITY CONSERVATION TIP 3



**TURN OFF** THE **LIGHTS**.

1

ELECTRICITY CONSERVATION TIP 5



**AIR DRY** YOUR CLOTHES INSTEAD OF **USING** THE **DRYING MACHINE**.

1

WATER CONSERVATION TIP 1



**TURN OFF** THE **WATER** WHEN YOU BRUSH YOUR TEETH.

1

WATER CONSERVATION TIP 3



ASK AN **ADULT** TO FIX **LEAKY PIPES**.

WATER CONSERVATION TIP 4



**WATER** PLANTS AND/OR YOUR **LAWN** IN THE **MORNING**.

1

WATER CONSERVATION TIP 5



THROW **TRASH AWAY** IN THE WASTE BASKET, NOT THE **TOILET**.

1

“

We recognise that preserving our energy resources will be one of the greatest challenges in our drive towards sustainable development. This, however, will not materialise unless the different facets of our society adopt energy conservation principles in their core values. The future generation will be the chief beneficiary of our achievements and the best judge of what we accomplish in this field.

”

**HIS HIGHNESS SHEIKH MOHAMMED BIN RASHID AL MAKTOUM**  
VICE PRESIDENT AND PRIME MINISTER OF THE UAE AND RULER OF DUBAI

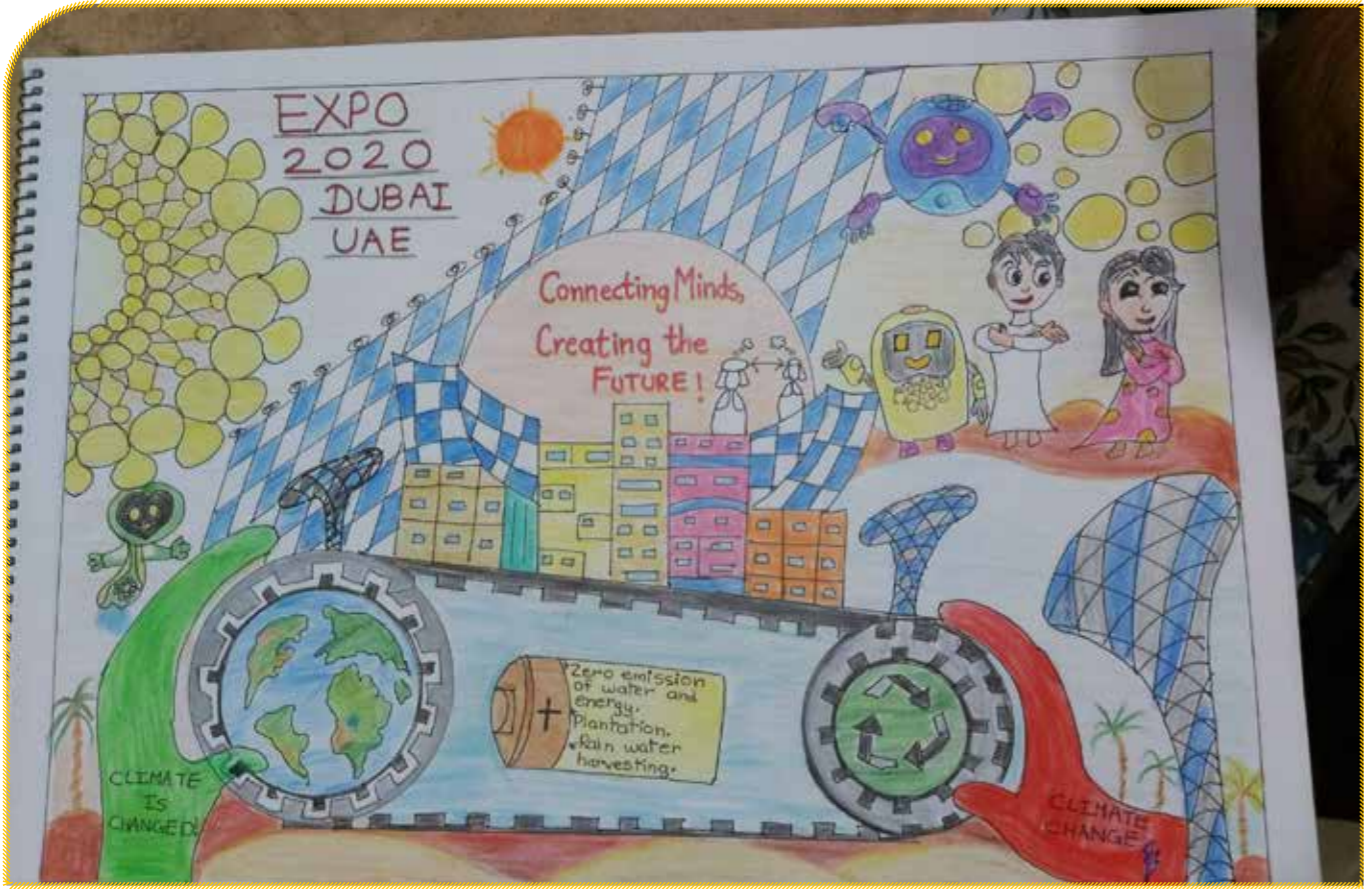
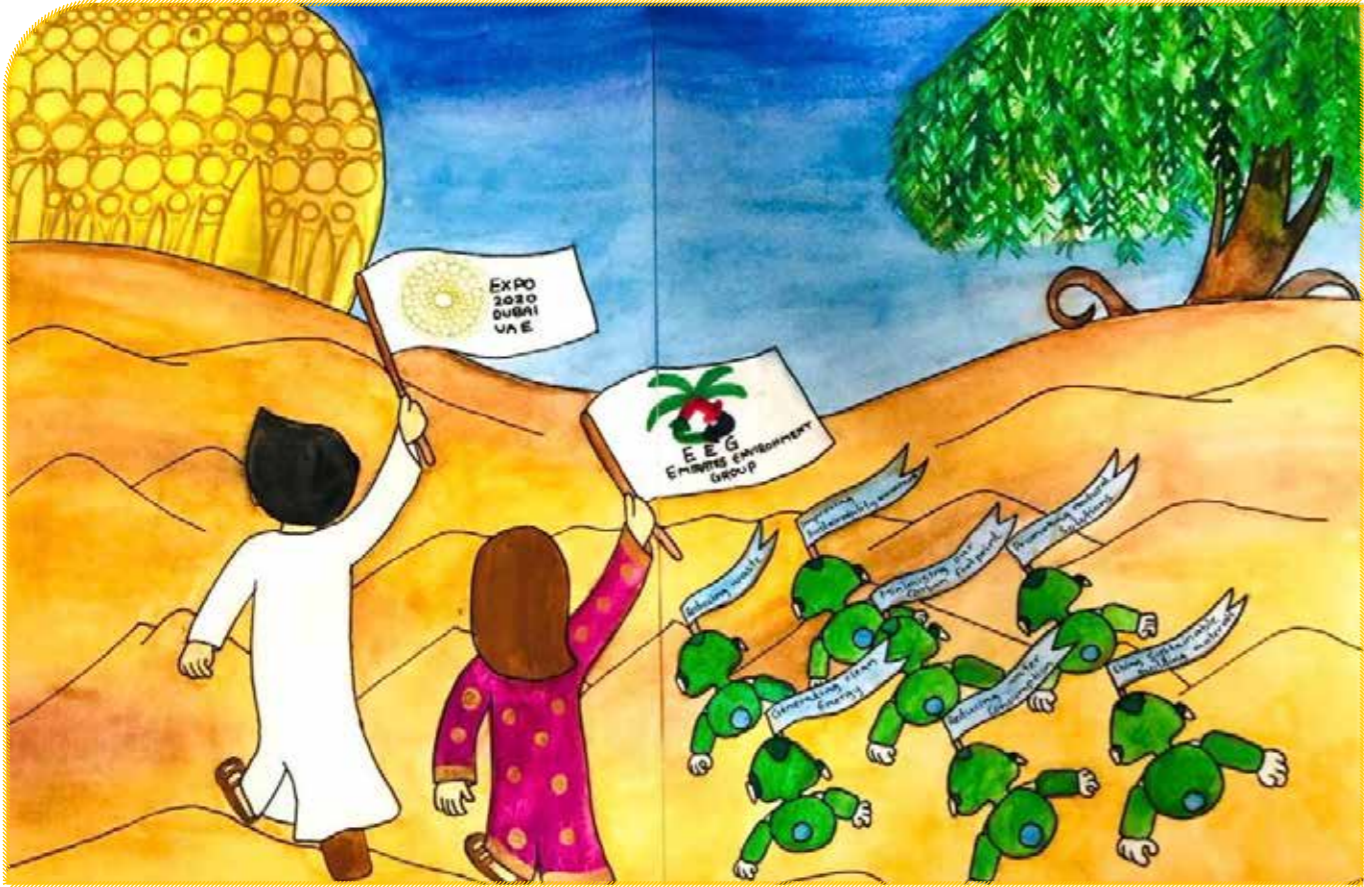


# Dress Up Day






# EEG - Art Competition




# EEG - Drawing Competition






EEG  
مجموعة عمل الإمارات للبيئة  
EMIRATES ENVIRONMENTAL  
GROUP



Environmental Drawing  
Competition

## ENVIRONMENTAL DRAWING COMPETITION 2022



Age Groups	Topics
6 - 8 years	Marine Life in the Arabian Gulf
9 - 11 years	Nature – Looking Back 50 Years
12 - 14 years	Combating Climate Change - Your Contributions

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eeg@emirates.net.ae    www.eeg-uae.org

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## Inter-school Video Making Competition



## Neighborhood Recycling Program



# Inter-school Public Speaking





# Abstract

## "عام جديد سعيد" قصيدة جديدة لمحمد بن راشد آل مكتوم



We do not disagree and we have no fear, and we give no thoughts to failure On the path of our fathers, we continue, with determination and creativity and skill.

Contribute to all fields, like education and production and trade

To those who want to make millions, we want to make culture.

We are not shaken by the maliciousness of those who oppose us, we have an army that protects its home Our history is rich with a past that was granted a badge.

And the present and flowers and the winds and our hearts filled with boldness.

With our actions, we give proof, not empty words.

We don't listen to the envious one, the people of failure and hurdles.

We're holding on, left and right, to unity and its power.

A path that unites us with strength, we are sure of its success.

Sheikh Mohammed bin Rashid, Vice President and Ruler of Dubai, has written a New Year poem, describing 2022 as "the year of distinction and precedence".

In the poem, Sheikh Mohammed writes about looking forward to the UAE's next 50 years with "determination and creativity and skill".

He said the Emirates will continue to contribute to the fields of education, production, trade and culture and that he sees the country moving forward on "a path that unites us with strength".

The poem was posted with a picture of Sheikh Mohammed alongside Sheikh Mohamed bin Zayed, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the Armed Forces.

New Year, Joyful Year 2022, the year of distinction and precedence With it, we begin to seek the next 50 years and we continue our path with diligence.



The International Year of Basic Sciences for Sustainable Development was proclaimed by the 76th session of the United Nations General Assembly 2 December 2021 for 2022, stressing that the applications of basic sciences are vital for advances in medicine, industry, agriculture, water resources, energy planning.



# Awards





## [Springdales School] honoured with prestigious 'Climate Action Project School of Excellence' award

**UNDER STRICT EMBARGO UNTIL November 4, 2021 at 7:00pm CET**

City, date. Today [Springdales school] in [Dubai, UAE], was awarded *Climate Action Project School of Excellence*. Only 250 schools globally were recognized because of their intense work on climate education in a whole-school approach. The recognition was awarded by Cartoon Network Climate Champions and Climate Action Project.

[Cartoon Network Climate Champions](#) is a climate change awareness initiative that sets out to inspire kids to take on daily challenges that collectively can make a big difference to the health of our planet. It has been developed in collaboration with WWF, a world-renowned environmental organization.

Climate Action Project is a free, global education project that was launched by [Take Action Global](#), an education nonprofit based in the USA, involving 2,700,000 teachers and students across 146 countries. The project aims to help students learn about the climate crisis in authentic ways and disseminate solutions online.

The recognized schools submitted their work for the past year and met extensive criteria, including a school-wide commitment to climate education and student solutions.



**EMIRATES ENVIRONMENTAL GROUP**

Name: Siddh Sanghavi Date: 08/07/21

Are you a member?  Yes  No

Weight	Paper	Plastic	Glass	Aluminium Cans	E-waste	Metal	Toners (pcs)	Mobile Phones (pcs)
n Kg	-	03	-	-	-	-	-	-

Issued by: *[Signature]*

Emirates Environmental Group P.O. Box 7013, Dubai, UAE - Tel: 04-3448622 Fax: 04-3448677 Email: eeg@emirates.net.ae

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**EMIRATES ENVIRONMENTAL GROUP**

Name: Siddh Sanghavi Date: 15/07/21

Are you a member?  Yes  No

Weight	Paper	Plastic	Glass	Aluminium Cans	E-waste	Metal	Toners (pcs)	Mobile Phones (pcs)
n Kg	-	15	-	-	-	-	-	-

Issued by: *[Signature]*

Emirates Environmental Group P.O. Box 7013, Dubai, UAE - Tel: 04-3448622 Fax: 04-3448677 Email: eeg@emirates.net.ae

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**EMIRATES ENVIRONMENTAL GROUP**

Name: Siddh Sanghavi Date: 28/07/2021

Are you a member?  Yes  No

Weight	Paper	Plastic	Glass	Aluminium Cans	E-waste	Metal	Toners (pcs)	Mobile Phones (pcs)
n Kg	-	3.6	-	-	-	-	-	-

Issued by: *[Signature]*

Emirates Environmental Group P.O. Box 7013, Dubai, UAE - Tel: 04-3448622 Fax: 04-3448677 Email: eeg@emirates.net.ae



## Students Response to ECO topics



**Q:**

What do you understand by the term 'ecological restoration'. Can an ecosystem be truly transformed to its former state?

**A:**

Ecological restoration is a term used to describe the restoration or nurturing of an ecosystem back to a proper and healthy state. I do believe that an ecosystem can be nurtured back to a state close to its former state, however, there are some things that when lost, truly cannot be restored, for example, extinct animals cannot be brought back to life. However, the environment in which they used to live can be brought back to how it was when the animals thrived there.

Tarak Yarluv Sumod - Grade 8B

**Q:**

There can be no natural ecosystem without biodiversity. Justify?

**A:**

Biodiversity is the key indicator of the health of an ecosystem. A wide variety of species will cope better with threats than a limited number of them in large populations. The extinction of biodiversity may have unforeseen impacts, that leads to the destruction of entire ecosystems.

Shikhar Saini - Grade 8A

**Q:** There can be no natural ecosystem without biodiversity. Justify?

**A:** Aquatic ecosystems can be restored by:  
Reconstructing saltmarshes that have been lost to human development  
Replanting coastal mangrove forests that have been degraded  
Enhancing the structural complexity of damaged reefs; this is an emerging field that seeks to move ecosystems to healthier states, often with the goal of increasing their ability to provide ecosystem services.

Kavya Gulechha - Grade 6A

**Q:** Examine the connection between the conservation of biodiversity of entire biological ecosystems with nature conservation?

**A:** Biodiversity is the key source for:  
1. Healthy ecosystems, clean water, purified air, fertile soil, regulated climate, recycled nutrients and healthy food  
2. Raw materials and resources for medicines and other purposes.  
3. The foundation of all civilization and sustain our economies.  
4. What we call our natural capital for us and for future generations.

Shreya Konda - Grade 10A

**Q:** Discuss the ways in which nature conservation and biodiversity can be developed?

**A:** Nature conservation and biodiversity can be developed by implementing it into all school syllabus as a global initiative. Nature studies, geography and sociology can all help in students learning about sustainability and conservative practices. Governments should also use their authority to ensure clean, green practices to be adopted by small and large businesses alike to have a direct impact.

Rahul - Grade 12B

**Q:** Development of robotics and smart technology. Is it a cause or solution to the problem of dramatically increasing environmental pollution of natural ecosystems?

**A:** I feel like smart technology is a solution, for example electric vehicles demonstrate a positive impact of technology on the environment because they do not produce carbon emissions that contribute towards the greenhouse effects and leads to global warming. So, that means it doesn't contribute to air pollution.

Suhaa Shamal - Grade 11A

**Q:** Analyse the impact of the global warming process on freshwater resources and the issue of biodiversity on Earth?

**A:** Warmer air (That is a resultant of global warming) can retain more moisture than cooler air. Which gradually sucks up more water from lakes, oceans, soil, etc. In the process, it causes drainage of many areas in the tropical and subtropical zones, gradually leading to the fall of freshwater resources. The issue of falling freshwater resources is one of the most serious problems humanity faces in the present day and age. It is also a great problem faced by ecosystems, therefore, biodiversity, including biodiversity of flora and fauna on Earth, is also diminishing.

Rose Maria Joseph, 9A:

# Reports - World Environment Day



مدرسة سبرينج دايلز دبي  
SPRINGDALES SCHOOL DUBAI  
"Quintessentially Indian, Innovatively International"  
Principal :Dr. Brian Gray | principalpa@springdalesdubai.com

SSLTP/BG/WS/T1-001

Date: 19<sup>th</sup> April, 2021

## World Environment Day



World Environment Day is held on 5<sup>th</sup> June every year. It is an environment awareness day, run by the United Nations. The theme this year for World Environment Day 2021 is "Ecosystem restoration"



مدرسة سبرينج دايلز دبي  
SPRINGDALES SCHOOL DUBAI

Input of the audience through a link to a questionnaire was shared. Kavya's and Rahul's answers were judged as best. A video made by them was also shared during the assembly.

Humans ruined the environment is a known fact and we are continuing to do so. What can be done to save and safeguard the environment as individuals, community and as a nation on the whole well explained by Rutuja and Dhaanya.

This was followed by a mesmerizing dance by Juwaria who expressed the cause of a cleaner environment through her expressive dance on Swatchh Bharat.

Efforts done to safeguard the cause of saving the environment by the UAE government was highlighted. Dhruv told us what the UAE has done for the environment in detail.

This was followed by a thought provoking skit that portrayed consequences of not protecting the environment. It helped understand the concept and purpose of the topic better.

Art work pieces on Ecosystem Restoration, created by students was viewed. It helped understand the cause of saving the environment in more detail as art is a form of expression from the inner being. Everyone appreciated the creativity of Grace 6 students. The artwork for the EEG artwork competition for Earth Hour was shared and appreciated.

Then followed a song that spread the message to save Mother Earth was sung by the Springdales School choir.

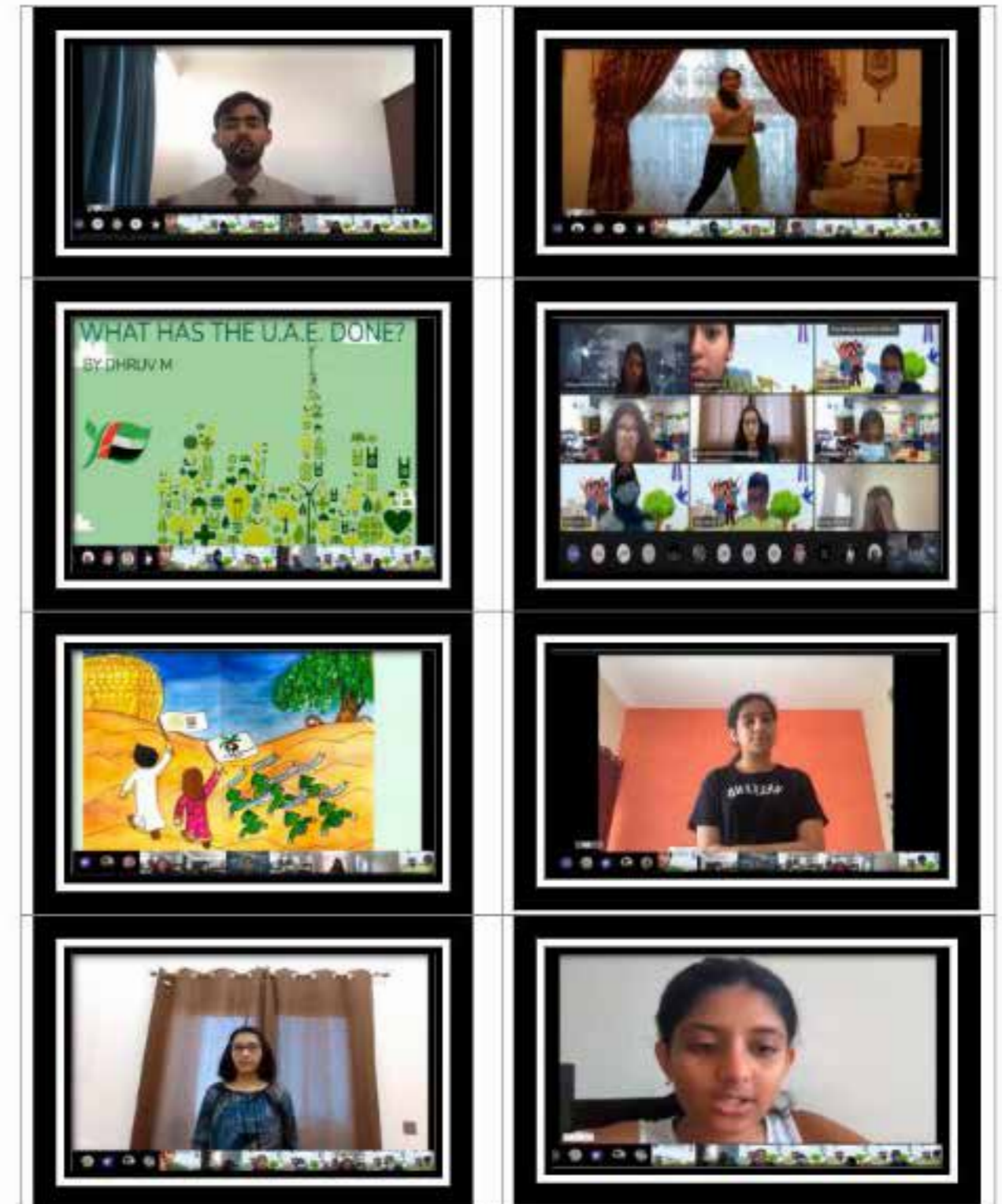
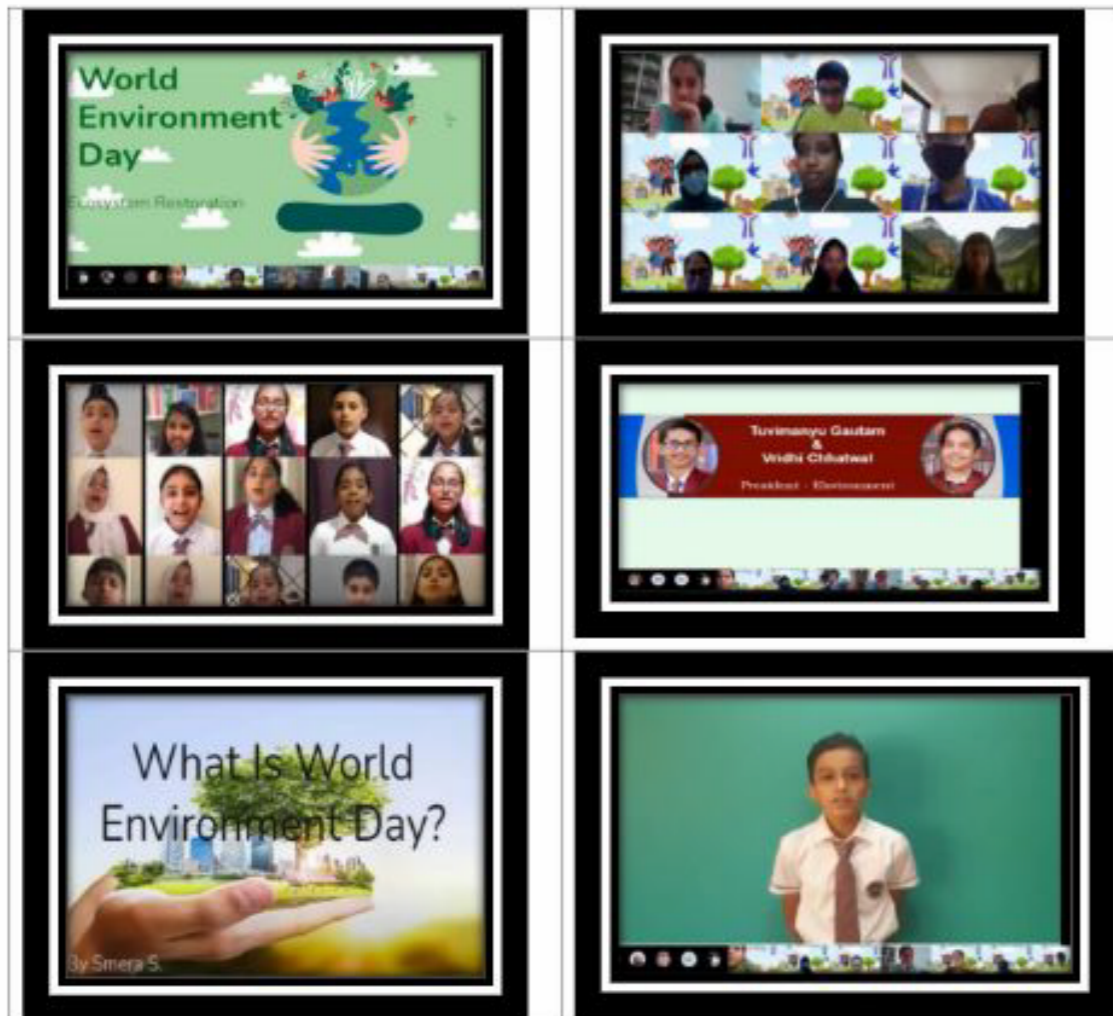
Later, efforts to save the environment done by countries around the world was discussed followed by a dance by Geet who conveyed the message to save the environment through his moves. Navya's poem on saving the Earth was recited and it was yet another way to convey and express the importance of Ecosystem Restoration.

In the end, the assembly was concluded with a vote of thanks followed by Dr Brian, our esteemed Principal and Ms. Bushra, our esteemed Secondary and Middle School Head, who shared their thoughts and enlightened the students with their wisdom and words.

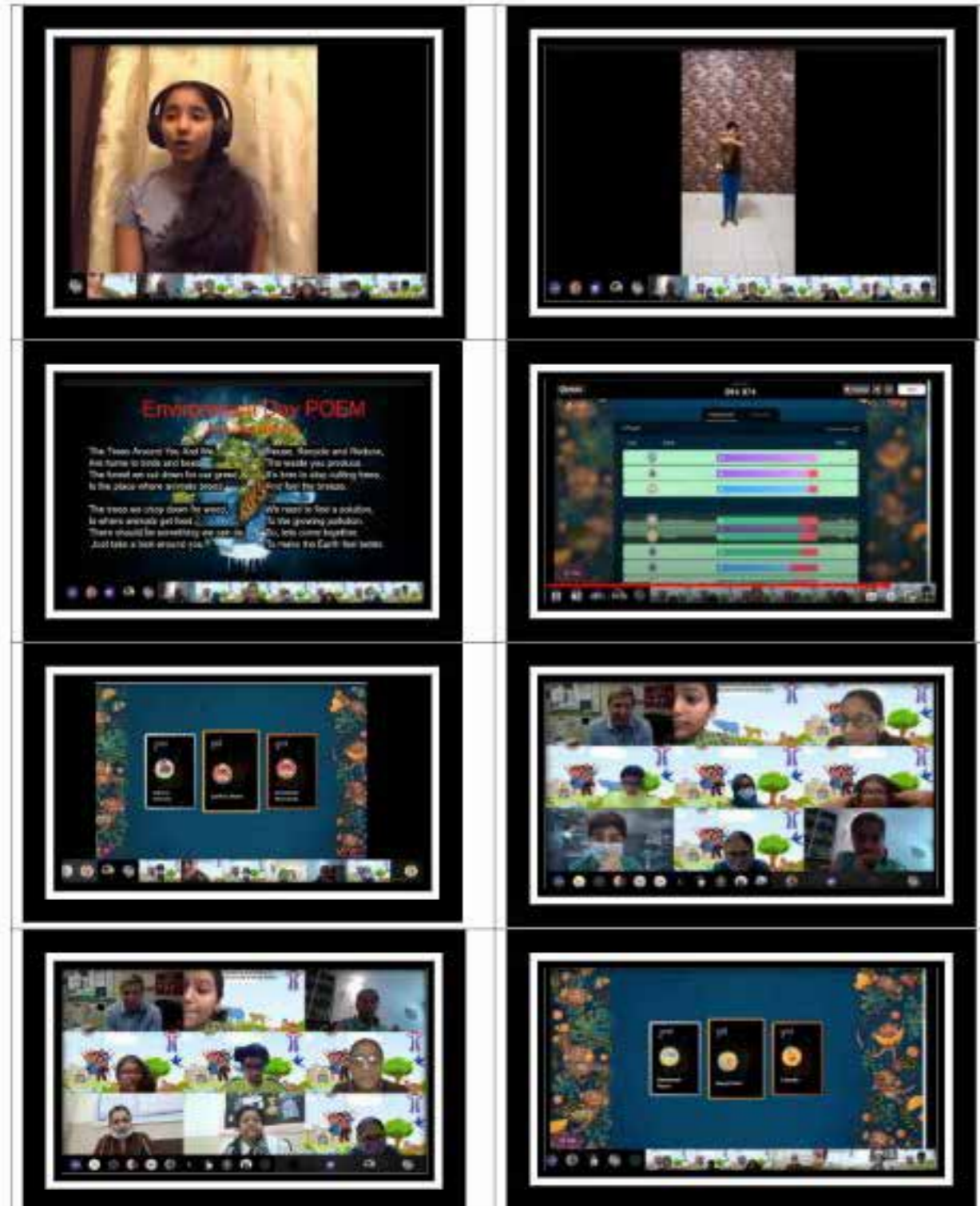


VALUES / POSITIVES: Students actively participated and shared their views and thoughts for the questions given. They actively participated in a quizzes.

QUALITY OF ASSEMBLY / EVENT: **Outstanding** \_ V.Good \_ Good \_ Average \_\_\_ Weak







## Collection Drive - Recycling



Recycle for all its worth Campaign. Springdales invites you all for a recycling drive from November 8st to November 15 2021.

As stewards of the environment, we are responsible for preserving and protecting our resources for ourselves and future generations.

When a recycled material, rather than a raw material, is used to make a new product, natural resources and energy are conserved.

The more we recycle, the less garbage winds up in our landfills and incineration plants. By reusing aluminium, paper, glass, plastics, and other materials, we can save production and energy costs, and reduce the negative

impacts that the extraction and processing of virgin materials have on the environment.

Students will get a unique opportunity to be part of this program. All they have to do is to collect aluminium cans, papers and plastic bottles as much as possible, and deposit their collections at school.

To show the world that it is possible to create global impacts through local actions and to conserve energy, reduce air and water pollution, reduce greenhouse gases, and conserve natural resources.

**Report :**  
*180 Kgs of paper and 30 Kgs of plastic are collected and submitted to EEG on 25.11.21*

# DEWA Health & Safety



Dear Parents, Greetings!

Pls find below the details of the Invitation to participate in Dewa health and Safety Virtual week. We request the children to take part in the quiz after going home from school.

Dubai Electricity and Water Authority (DEWA) Cordially invites you to take part in the annual

HEALTH AND SAFETY WEEK 2021

Date: November 21st – 27th 2021

Join us by clicking the link below to participate in a fun

and interactive quiz with a special surprise!

<https://dewa.vbth.app/health-safety-quiz/>

- The links for the quiz and the game will be live from the 21st of November till the 27th of November
- Once the link is live, it will present 2 possible options for Arabic or English for the students to choose from

STAY SAFE, BE HEALTHY!

Don't forget to visit us in City Walk in front of The Roxy Cinema from November 21- 27 for a chance to win exciting prizes!



# Earth Day Activity



**GRADE 3 : ( 27<sup>TH</sup> APRIL, 2022, During the 4<sup>th</sup> period)**

Teachers are requested to share the video with the students before the activity starts.

<https://www.facebook.com/DailyExpress/videos/1654173254958638/?extid=NS-UNK-UNK-UNK-IOS GK0T-GK1C>

**“ The Earth is in my hands”.**

Students will be given 1 blue colour A4 sheet which they have to cut in a circle representing the Earth and two green colour A4 sheet in which they will have to trace their palms. All these needs to be fixed together in the way shown in the picture below. On the fingers students can write their own thoughts and understanding on how to save Mother Earth.

- Request teachers to click pictures of the student doing the activity and save it in JPEG Format.
- Photographs from each Grade Level to be made into a collage and should be sent to me via email or we transfer in case the file is heavy.
- It will be one of the evidences for any upcoming Inspections.
- Photographs to come in latest by Wednesday 4pm.



## GRADE 4 : ( 27<sup>TH</sup> APRIL, 2022, During the 4<sup>th</sup> period)

Teachers are requested to share the video with the students before the activity starts.

[https://www.facebook.com/DailyExpress/videos/1654173254958638/?extid=NS-UNK-UNK-UNK-IO5\\_GK0T-GK1C](https://www.facebook.com/DailyExpress/videos/1654173254958638/?extid=NS-UNK-UNK-UNK-IO5_GK0T-GK1C)

### Role Play on “ Be a part of the solution and not pollution, Say no to plastic”.

Students should be divided into three groups and create their own role plays, forming their own character, interactive dialogues the moral of the story being “Say No to Plastic”. Students can use relatable props from the class recycle corner. The time for the presentation should be 3 to 4 mins.

- Request teachers to click pictures of the student doing the activity and save it in JPEG Format.
- Photographs from each Grade Level to be made into a collage and should be sent to me via email or we transfer in case the file is heavy.
- It will be one of the evidences for any upcoming Inspections.
- Photographs to come in latest by Wednesday 4pm.



1 6/19/2022 Add a footer

## GRADE 5 : ( 27<sup>TH</sup> APRIL, 2022, During the 4<sup>th</sup> period)

Teachers are requested to share the video with the students before the activity starts.

[https://www.facebook.com/DailyExpress/videos/1654173254958638/?extid=NS-UNK-UNK-UNK-IO5\\_GK0T-GK1C](https://www.facebook.com/DailyExpress/videos/1654173254958638/?extid=NS-UNK-UNK-UNK-IO5_GK0T-GK1C)

Students will engage themselves in a debate : Students to be divided into four groups, two groups speaking for the topic and two groups speaking against the topic. Time Limit should be 5 mins for each group . A time keeper should be appointed to keep a track of the time.

### Topic : “ Sustainability is a Myth”

#### Success Criteria:

- To use an appropriate voice while speaking.
- To be make eye contact with the audience while speaking.
- To elaborate information using dot points
- To use remember the rules of debating

- Request teachers to click pictures of the student doing the activity and save it in JPEG Format.
- Photographs from each Grade Level to be made into a collage and should be sent to me via email or we transfer in case the file is heavy.
- It will be one of the evidences for any upcoming Inspections.
- Photographs to come in latest by Wednesday 4pm.



4 6/19/2022 Add a footer

# Report - EEG PSC 21.04.21

1



Springdales School Dubai

**EEG Public Speaking Competition 2021 Event Report**

Theme of the year 2021 - Ecosystem restoration



## General Information

### A. Sub-Senior Category

- Date of Event: 21 April, 2021
- Topic: **Environment and Education: Need for Change**
- Venue: Zoom [Digital Event]
- Participants: Divya Wadhwa, Sparsh Bhatia, Neel Saxena, Gayathri Iyer, Akshat Kiran

### B. Senior Category

- Date of Event: 22 April, 2021
- Topic: **Balancing the three pillars of sustainability in a post-pandemic world**
- Venue: Zoom [Digital Event]
- Participants: Jitakshara Nain, Vaishnavi Sharma, Diya Promod, Vidhi Abay Patil, Rahul Bhimwal

## Sub-Seniors

Students in the sub-senior category chose a challenging topic that talks about the urgent need for change in environmental education systems in schools. Environmental Education (EE) is a process where people acquire familiarity with their current environmental issues and obtain information, abilities, qualities, values, and furthermore the assurance, which will empower them to act - separately and on the whole - to take care of present and future ecological issues. Team members worked over a span of 15-20 days to prepare an enlightening presentation that included possible solutions to help improve environmental education in schools as well as several methods that demonstrated actions students, and teachers can take to help conserve the environment in school and their communities as individuals. Students used a PowerPoint presentation to exhibit their information and succeeded to present their entire material in 6 minutes and 52 seconds sparing only 8 seconds on their 7 minutes time limit.

## Seniors

In the senior category, pupils chose a common topic and yet managed to create very elaborate, colorful, versatile, and informational presentations. For 70 years, the United Nations has worked on the frontlines every day around the world on the pillars of Human Rights, Peace and Security, and Development. The principles of sustainability are the foundations of what this concept represents. Therefore, sustainability is made up of three pillars: the economy, society, and the environment. These principles are also informally used for profit, people, and the planet. The seniors also selected a PowerPoint presentation to exhibit their information. Their presentation held a lot of pictures and an immensely bright and attractive color scheme, along with this their PowerPoint also included a deep analysis of the three pillars of sustainability in accordance with the 17 sustainability goals of the United Nations [Agenda 21].



# EEG Public Speaking Report



## Quality of Event

- Bad
- Acceptable
- Good
- Very Good
- Excellent

## Outcomes and Conclusion

Both teams managed to achieve their ultimate goals and deliver very captivating presentations.

The values that came out of this highly productive event were: teamwork, unity, and self-awareness.



**EEG**  
مجموعة عمل الإمارات للبيئة  
EMIRATES ENVIRONMENTAL GROUP

## Inter-school EEG Public Speaking Competition-Event Report

Assembly / Event Conducted By:	Emirates Environmental Group(EEG)
Class / Section:	Grades 8, 9 and grade 10
Date / Period:	18 <sup>th</sup> of April 2022 & 21 <sup>st</sup> of April 2022
Theme:	Water Security and Food Security – Correlated? (Sub senior) Industrial Animal Agriculture – A compelling contributor to climate change (Senior)
Teacher In Charge:	Ms. Suganthi
No / Names Of Participants:	10 students from grade 8, 9 and 10

### HIGHLIGHTS OF THE EVENT

The 22<sup>nd</sup> annual EEG Inter-school Public Speaking Competition took place on the 18<sup>th</sup> of April 2022. It consisted of a total of 27 participating schools on 18<sup>th</sup> and 13 schools have participated on 21<sup>st</sup> April 2022. The distinguished judges, who were also specialized environmentalists, were Ms. Maya Hadad and Ms. Nancy Nouaimeh.

The topic for discussion and presentation was 'Water security and food security-correlated?' This event was an eyeopener to the youth of today about the depletion of our natural resources and the consequences that might take place, if the resources vanish entirely. Various schools presented and voiced their thoughts on how water and food security are completely dependent on each other. Food and water are connected through the crucial means of agriculture.

Children also showed their initiatives to save water and food by getting involved in the M.U.N(model United Nations) and speaking about sustainable ways to safeguard the future of water and food security, through responsible consumption and production, for our future generations.

Many people worldwide lack access to clean water to meet their basic needs, and carry out many important economic activities, such as energy production and agriculture which also require water. Water is an essential component of Food and Agricultural Organization's National Program for Food Security which involves 102 countries. Irrigation, drainage and water management are also a major part of FAO's Investment Centre that includes different design and monitoring investment projects for agricultural purposes.

QUALITY OF ASSEMBLY / EVENT: Outstanding V.Good \_ Good \_\_ Average \_\_\_ Weak

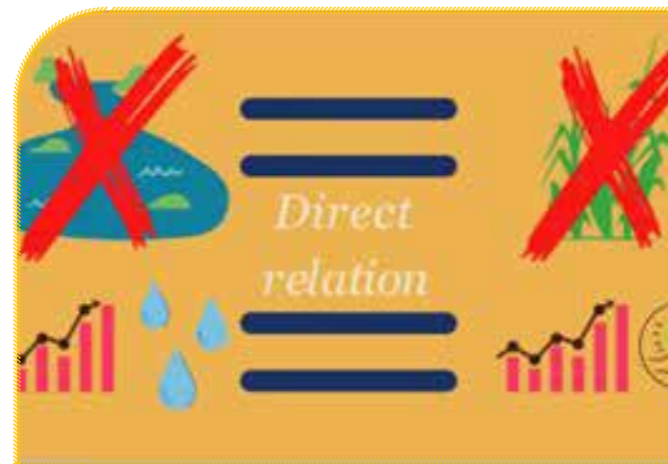
# EEG Workshop Report

Day 1 | 18<sup>th</sup> April 2022  
Topic 1 - Water Security and Food Security - Correlated?

Registration	Attendance
8:00 AM - 8:30 AM	8:00 AM - 8:30 AM
8:30 AM - 9:00 AM	8:30 AM - 9:00 AM
9:00 AM - 9:30 AM	9:00 AM - 9:30 AM
9:30 AM - 10:00 AM	9:30 AM - 10:00 AM
10:00 AM - 10:30 AM	10:00 AM - 10:30 AM
10:30 AM - 11:00 AM	10:30 AM - 11:00 AM
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Day 1 | 18<sup>th</sup> April 2022  
Topic 1 - Water Security and Food Security - Correlated?

Registration	Attendance
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مدرسة سبرينج دايلز دبي  
SPRINGDALES SCHOOL DUBAI

## WORKSHOP REPORT



Assembly / Event Conducted By:	EEG(Emirates Environment Group)
Class / Section:	Grades 5-11
Date / Period:	25 to 27 <sup>th</sup> of October 2021
Theme:	Tale of Unequivocal Provider: The Abode of Life
Teacher In Charge:	Ms. Suganthi
No / Names Of Participants:	Students from Grades 6 to 11

### HIGHLIGHTS OF THE EVENT

A webinar was held by the EEG(Emirates Environment Group). The theme was 'Tale of Unequivocal Provider: The Abode of Life'. The event lasted for 6 hours with a fixed agenda.

The event started off with a quick registration period for everyone to log in and join. Then we had the opening ceremony of the 21<sup>st</sup> EEG student workshop. The co-chair of the event enlightened us about the benefits of having organizations like the EEG, preserving the environment and keeping the universal abode of life i.e Earth



clean. The importance of making countries utilize more sustainable means of energy so that everyone is benefitted in a long term was also highlighted.

Following the opening ceremony, we had a group activity called 'Comic Logic'. Children of different schools were grouped into eight different groups to work as a team. We were provided blank comic strip templates which we had to fill after discussing all our ideas as a group. One of the best pieces was selected from each group to be showcased in front of all the other groups. All the groups had different topics to discuss and draw their comics on.

Then, we had our second activity called 'Camouflaged Possibilities'. Here the same eight groups were given two pictures with differences. We had to spot these hidden differences whilst working together as a group. These differences were between sustainable and non-sustainable environments.

Next we had a short refreshment break after which we had a third activity called 'Acquired Knowledge'. Here we were provided information from an individual who is very knowledgeable on matters relating to the environment. We learnt a lot from this speech. The importance of recycling, reusing and reducing was greatly encouraged and highlighted. The benefits of countries switching to cleaner, cheaper and more sustainable means of energy were shared with us. The negative aspects of human interference in the ecosystem and the biosphere were shown and natural disasters and their causes were also shown. This activity helped us to inculcate various means to prevent pollution and save the environment, into our daily lives.

After this we had our last activity called 'Bivious Reality'. Here, the host showed us various species of animals that were either endangered or extinct. We had to identify these different species. This activity highlighted the importance of saving animals and how poaching animals for various purposes is inhumane and can lead to extinction of a particular species. The activity taught us about how to preserve the innumerable variety of species around us.

The session was concluded with the closing ceremony. A cover, by Springdales School Dubai, of the song 'Earth Song' by Michael Jackson was displayed onscreen. This was truly mesmerizing.




This event highlighted the importance of conserving, valuing and respecting Mother Earth and her resources.

QUALITY OF ASSEMBLY / EVENT: **Outstanding** \_ V.Good \_ Good \_ Average \_ Weak



# Inter School Video Making Report








1

Springdales School Dubai

**ADIS – Interschool video making Competition 2021**

Topic – Water Conservation

Theme – Hold that drop


Assembly / Event Conducted By:	Abu Dhabi Indian School
Date / Period:	March 20, 2021
Theme:	Water conservation
Teacher In Charge:	Ms. Suganthi
No / Names Of Participants:	Middle and secondary students

**HIGHLIGHTS OF THE EVENT**

The competition aimed at water conservation was well-defined and it was highly engaging for the students. It has inspired many and taught lots of students the importance of water and ways to do so. This competition has also encouraged many to convey important problems in today's world by taking initiatives starting from making videos and posters and spreading awareness about it by mouth. The students of Springdales School Dubai have enjoyed this competition and making awareness from their homes. I am sure students would like to take part in more competitions like this one where there will be able to voice their opinions in an open platform.

**Adhiraj Nain** of class 9B has won the **first place** in the competition which is out of 125 plus entries.

[Adhiraj Nain](#)




2

**Quality of Event**

- Bad
- Acceptable
- Good
- Very Good
- Excellent

**Outcomes and Conclusion**

Students achieved their ultimate goals and deliver very captivating video presentations. The values that came out of this highly productive event were: Confidence, time management and self-awareness.





# Save Soil Report



مدرسة سبرينج دايلز دبي  
SPRINGDALES SCHOOL DUBAI

## Event report

Assembly/event conducted by	Conscious planet – Save Soil movement
Class/sections	Students from 6-12
Date/time	April 14th, 2022
Theme	Save Soil
Teacher in charge	Ms. Suganthi Gunasekhar
No. / names of participants	Students from 6-12

## HIGHLIGHTS OF THE EVENTS

Save Soil is a global movement addressing the soil crisis by bringing people from all over the world together to advocate for soil health and to support leaders from all nations in instituting national policies and actions to increase the organic content of cultivable soil.

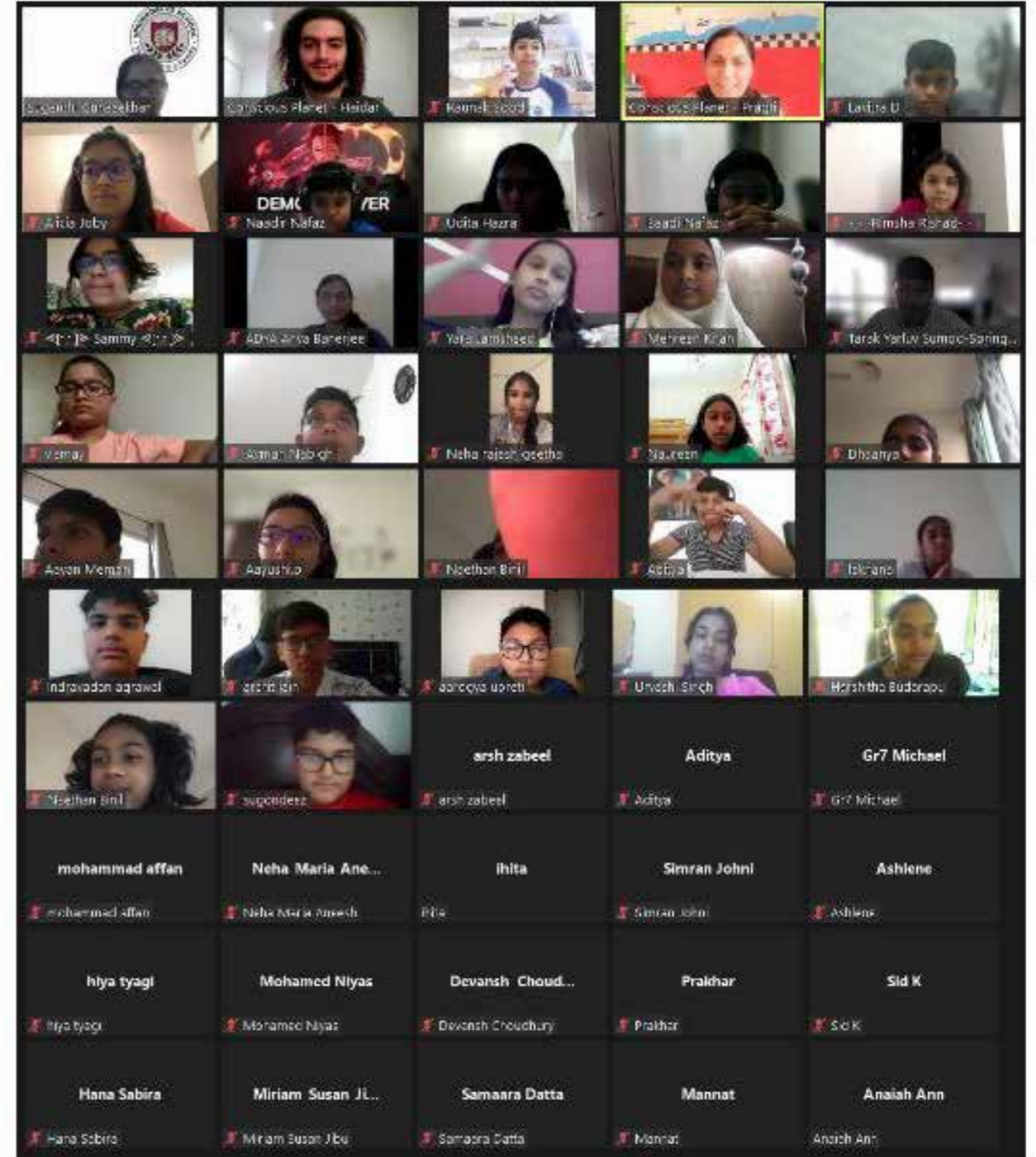
The webinar was conducted by Volunteer from Conscious planet – Save soil movement with Mr. Haidar, a chemical engineering student from Kalifa University Abu Dhabi talking on the topic.

It highlighted why it is up to Generation Z to save soil and prevent soil extinction. There were multiple videos shown on different aspects of the issue and how different people have worked to improve the situation. 79 students have participated.

In conclusion, the campaign was extremely interesting and will have inspired many students to take an initiative in saving soil for the future.

By: Hana Sabira

GLIMPSES OF THE EVENT :




# World Environment Day 2022

Springdales School Logo: **SPRINGDALES SCHOOL**  
The World is a Family

**مدرسة سبرينج دايلز دبي**  
**SPRINGDALES SCHOOL DUBAI**  
"Quintessentially Indian, Innovatively International"  
Principal :Dr. Brian Gray | [principalpa@springdalesdubai.com](mailto:principalpa@springdalesdubai.com)

SSLTP/WS/T1-006 Date-26<sup>th</sup> April, 2022

**World Environment Day**



**World Environment Day**

World Environment Day is held on 5th June every year. World Environment Day 2022 is hosted by Sweden. "Only One Earth" is the campaign slogan, with the focus on "Living Sustainably in Harmony with Nature". The theme this year for Earth Day 2022 is "Invest in our planet"

"This is the moment to change it all — the business climate, the political climate, and how we take action on climate. Now is the time for the unstoppable courage to preserve and protect our health, our families, our livelihoods... together, we must 'Invest In Our Planet'.

Because a **green** future is a **prosperous** future.

We need to act (**boldly**), innovate (**broadly**), and implement (**equitably**). It's going to take all of us. **All in.** Businesses, governments, and citizens — everyone accounted for, and everyone accountable. **A partnership for the planet.**

And while there is still time to solve the climate crisis, time to choose BOTH a prosperous and sustainable future, and time to restore nature and build a healthy planet for our children and their children, **time is short.**

With this thought in mind, we have planned some activities that can be easily done at home. Scroll down to find information on Environment Day activities to make a difference.

**Instructions:**

Students will choose the topic according to their grade levels. They will send their work to their class teachers by 15th May 2022 (For Kindergarten, Grades 1 & 2 and 3-5). The best responses will be picked and students will be asked to present the same as video.

**Note:** Middle and secondary students will submit their work to the links given on or before 15.5.22.

**The activity for the day:**

**Kindergarten**  
'Plantathon' activity at home / Show and tell activity.

**Grade 1- 2**  
The activities include climate storytelling /art work on global warming.

**Grade 3 – 5**  
The activities include poem on climate change / Letter to earth with a slogan, "**Creation is the antidote to despair**" /Individual PPT Presentation on climate crisis and solutions.

**Grade 6 – 8**  
We would like your ward's contribution to reinforce the importance of recycling and therefore, to help your child design and make an outfit from recyclable materials to wear for the fashion show on 6<sup>th</sup> June 2022. Materials could include CDs, plastic bottles, newspapers or empty food packaging, plastics / Creating best out of waste. Students will send their work to the given link [Eco couture](#) on or before 15.5.22.

**Note:** Pls send your consent if your ward is participating in the fashion show by mail to [suganthi@springdalesdubai.com](mailto:suganthi@springdalesdubai.com) on or before 28.4.22.



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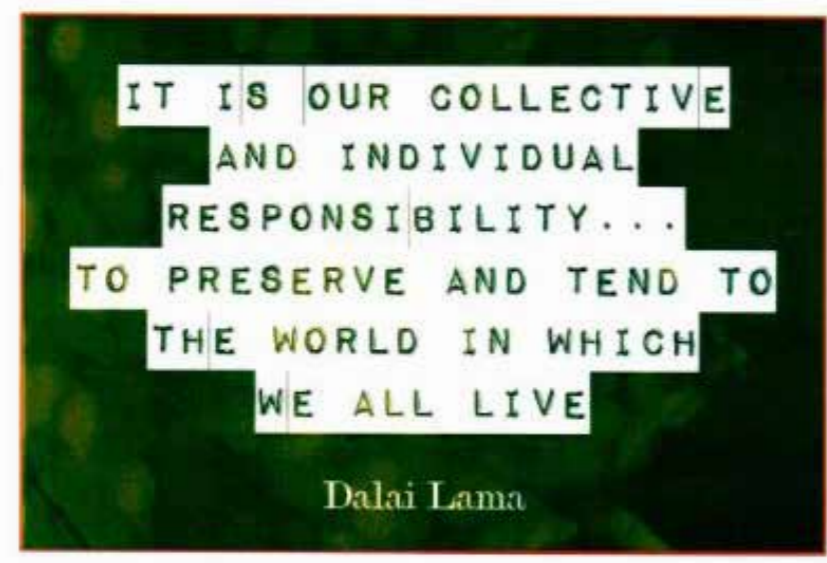
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**Grade 9 -12**

The activities include video-making /photography. The task is to record a short video to show a day in the life of students. Students can show their typical day combined with their passions, interests or any CLIMATE/GREEN projects they are involved in ☺ / Photography with 'Capture-a-moment' with caption. Students will send their work to the given link [Photography and video making](#) on or before 15.5.22.

**Innovation Task:** 2022 calls for innovative ideas of the students that are beneficial to the environment and be the solutions to the environmental crisis. The model can be a digital or a physical model. Students will send their work to the given link [innovation submission](#) on or before 15.5.22.



Best Regards,

Dr. Brian Gray  
Principal  
Springdales School, Dubai

# SAVE THE PLANET

