



bee'ah
school of
environment

Green Generation

AN ENVIRONMENTAL MAGAZINE FROM BSOE

ISSUE 04

HOW TO PRESERVE
NATURAL RESOURCES?

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FROM WASTE TO ART

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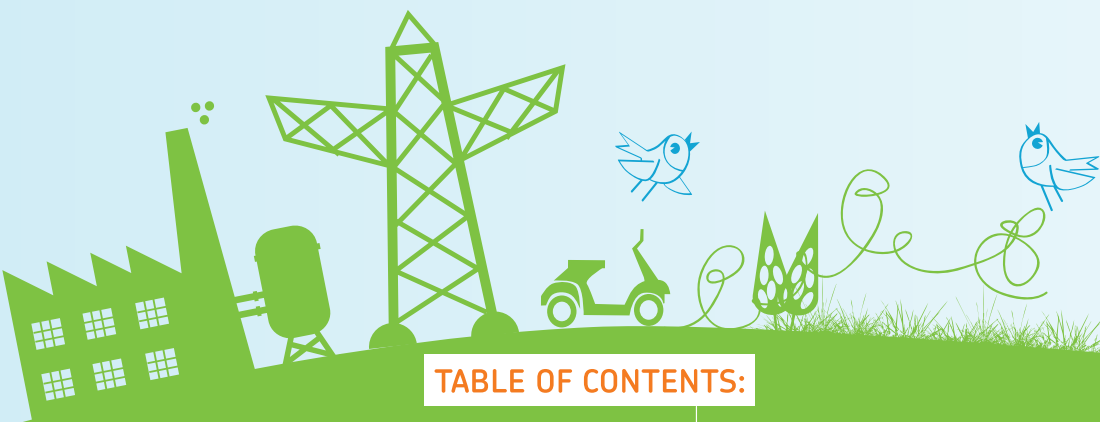


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HELLO GREEN
AMBASSADORS,

Hope you all had a good break and are ready to spring back into action.

In this issue of Green Generation, we will explore the topic 'Preservation of Natural Resources'. To understand, how you can contribute towards this subject, you will first need to understand what natural resources are.



Natural resources are our primary source of life, which can be divided in two categories: renewable and non-renewable. Renewable resources can be used endlessly, such as air, wind, or sunlight. Non-renewable resources like forests, minerals, oil, etc. will eventually run out of supply, if not used carefully.

As the world population increases, so do our demands from our planet Earth. Unfortunately, the speed at which we are using these natural resources, we will need 1 ½ Earths to sustain our population of 7 billion people. Thus, it is quite apparent that unless we act now, we will not be able to depend on these natural resources for a long time.

We hope that this issue inspires you to explore the role you can play in the preservation of natural resources. The primary step to

achieving this goal is learning about the alternate forms of energies such as wind energy, solar energy, hydro power etc.

To add a little more fun to your reading experience, we have hidden Shaheen in one of the pages. See if you can spot him. We call this new activity 'Where is Shaheen?'.

We look forward to further encouraging a culture of sustainability and wish you a very happy school year.

Regards,



AN OUTSTANDING TEACHER...

Education can reach its highest and optimal level when combining academic material, fun activities, and listening to our students to better understand their needs.

So is there anything more wonderful than to have this activity associated with the environment?

Along these lines are the seeds of ecological knowledge about issues of the earth instilled in our youngsters hoping it would one day grow and benefit our UAE community and the whole world.

If we could form a selected team of environmentalists and activists, to carry the sustainability emblem, then we have succeeded.

In order to achieve this goal, I've worked, as a teacher, on instilling the value of recycling in my school. I did that through organizing exhibitions that display the students' amazing work created from recycled materials.

The idea rapidly developed into the school competition titled "E-MASTER", where the winning teams get awarded the symbolic master in the fields of mathematics, science, engineering, art, technology, and reading, based on conducting activities that aim to raise environmental awareness.

As the supervisor of the innovation team, I've established a creativity and innovation center made especially to display the students' environmental work.

As an activist, I've succeeded in including our school in local exhibitions and conferences, to serve the environment and its' awareness, through designing air-cleaning robots and models of eco-friendly houses.

This is a teacher's message, a valuable message that I'm hoping to be inspiring to others.

Susan Faisal
Fatima Al Zahra Secondary School

AN OUTSTANDING STUDENT...

"Utanae Paon Pasariyo Jitni Lambi Sour"

This Indian proverb, meaning- "Stretch your feet, as long as your quilt"- constantly reminds me that we must stop stretching beyond the limits of our planet!

Every dimension of our lives, burdens the Earth and sustainability demands a perpetual awareness in our daily routines. While using water, I remember that millions can't meet their daily requirement. I use public transport, as vehicular fuel combustion causes excess carbon dioxide, responsible for global warming. At mealtime, there is zero food waste to avoid stress on resources, used from farm to fork. I also share this awareness among my peers that our lifestyle choices should entail limited use of resources, and meeting our needs shouldn't compromise the ability of future generations to meet theirs.

Aaditya Singh
Delhi Private School



SEARCH AND LINK THE
LETTERS TO HELP FIND THE
ANSWERS IN THE BOX:



S	B	Y	O
A	P	A	P
H	G	X	E
T	C	S	R

A ton of recycled _____ saves 17 trees.

U	N	I	U
M	A	M	K
O	L	U	Y
V	T	E	P

_____ can be recycled continuously, as in forever.

T	I	O	L
A	A	N	S
L	O	V	E
U	O	P	R

_____ is probably the most significant, single threat that natural resources face. The world's population is increasing at a very fast rate.

PUZZLE ANSWERS:

- 1 - Paper 2 - Aluminum 3 - Overpopulation

HOW TO PRESERVE NATURAL RESOURCES?

Natural resources are naturally occurring materials that exist within our environment in their original form. While renewable resources like water, air, sunlight are used for our survival, the non-renewable resources like coal, gas, oil are used for powering our daily needs. We may think that the Earth is rich with these natural resources, but they are quickly depleting as they are being used at a much faster rate than they can be replenished. Currently, it is unimaginable for us to live a comfortable life without depending

on these resources, but by making small changes, we can help preserve our natural resources for generations to come.

One of the issues of conserving natural resources is that many people aren't even aware of what the resources are that they are trying to conserve. Knowing the source of the product can help you make better choices for the environment.



1. PAPER COMES FROM TREES.

The less paper you use, the less paper needs to be produced and the lesser trees need to be chopped down. Today's world is much more reliant on digital technology. So, it is easy to go without using a single piece of paper all day. But if you must use paper, you can still make a difference by recycling the paper you have used.



2. PLASTIC COMES FROM PETROLEUM.

The amount of petroleum used to make one plastic bag would drive a car about 11 meters. Plastic bags don't biodegrade, it takes them 1000 years to photo-degrade, i.e. break down into smaller toxic bits contaminating soil and waterways. These toxins then enter the food chain as animals ingest them. Plastic is also the largest source of ocean litter. You can replace plastic bags with canvas bags. These bags are stronger and more durable than traditional plastic bags. Also, reusing plastic bags is a great way to live an eco-friendlier life.



3. ELECTRICITY IN THE UAE COMES FROM GAS POWER PLANTS.

Energy conservation also conserves natural resources. You can conserve electricity by making a few changes around the house. For example, use natural light instead of relying on artificial light. Replace your old bulbs with CFL bulbs. These can last five times longer and use much less electricity than regular light bulbs. Turn off lights and appliances when not in use. This is the easiest, most common and efficient way to save electricity.



4. WATER IN UAE COMES FROM DESALINATION PLANTS.

These plants are powered by non-renewable resources. These desalination plants convert sea water into potable water. The process utilises tonnes of energy. You can help conserve this energy by using less water. For example, take shorter showers, turn off the water when you brush your teeth or simply fix a leak.

THE MORE WE ALL DO OUR PART –
THE FASTER WE'LL CREATE
A WORLD THAT PROMOTES
SUSTAINABILITY.

DID YOU KNOW?



ALTHOUGH POLAR BEARS HAVE WHITE, FLUFFY FUR, THEIR SKIN IS ACTUALLY BLACK.



DESPITE ITS NAME, THE KILLER WHALE (ORCA) IS A TYPE OF DOLPHIN.



27,000 TREES

ARE CUT DOWN EACH DAY SO WE CAN HAVE TOILET PAPER



A GLASS BOTTLE MADE IN OUR TIME WILL TAKE MORE THAN **4,000 YEARS** TO DECOMPOSE.



ONLY 1% OF OUR PLANET'S WATER SUPPLY CAN BE USED.



97% IS OCEAN WATER.
2% IS FROZEN SOLID IN THE ARCTIC, FOR NOW.

ALUMINUM CAN BE RECYCLED CONTINUOUSLY, AS IN FOREVER.

RECYCLING 1 ALUMINUM CAN SAVES ENOUGH
ENERGY
TO RUN OUR TVS FOR AT LEAST 3 HOURS.

80 TRILLION
ALUMINUM CANS
ARE USED BY
HUMANS
EVERY YEAR.



WHEN YOU THROW PLASTIC BAGS AND OTHER PLASTIC MATERIALS IN THE OCEAN,

IT KILLS AS MANY AS
1 MILLION
SEA CREATURES ANNUALLY.



MAKING A PENDANT FROM OLD CDs

We all have CDs piled up in a corner of the house, collecting dust next to the pile of magazines that we will never read. Why not make something new and useful from these two items?

Materials:

- Old CDs
- Pictures from a magazine (we reused the old book that we used in our previous workshop!)
- Glue gun
- Mod podge glue
- Mod podge dimensional magic
- Scissors
- gold/ silver/ black duct tape
- Clear tape
- Glue on bail pendant
- A colorful string



Instructions:



1. Find a picture you like.



2. Take the CD and using the scissors, cut the shape you want your pendant to have. (If cutting it is too difficult, try placing the CD in a bowl of hot water for 15 seconds)



3. Once you're happy with the shape you cut, remove the shining metallic layer from the CD by using a tape



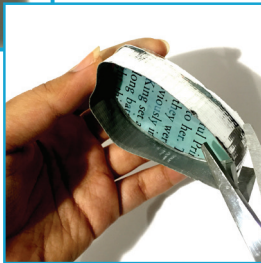
4. Now that the CD is see through, place it on the picture you like and cut the picture



5. Make sure the picture is smaller than the size of the pendant to prevent bubbles from forming under the picture in the next step



6. Use either a brush or some tissue to place mod podge on the backside of the picture, then carefully stick it on the CD. Let it dry for 5 minutes



7. Choose the duct tape that matches the picture. Now, carefully start applying the duct tape on the edges of the pendant. Cut the excess and tape it



8. Now that you framed your pendant, you need to protect the image from getting damaged. You can do that by adding a thin layer of mod podge dimensional magic on the picture. Let it dry for 3 hours. Repeat if you want to give it more dimension



9. The pendant is almost ready. Use the glue gun to glue the bail to the back of the pendant. Let it dry

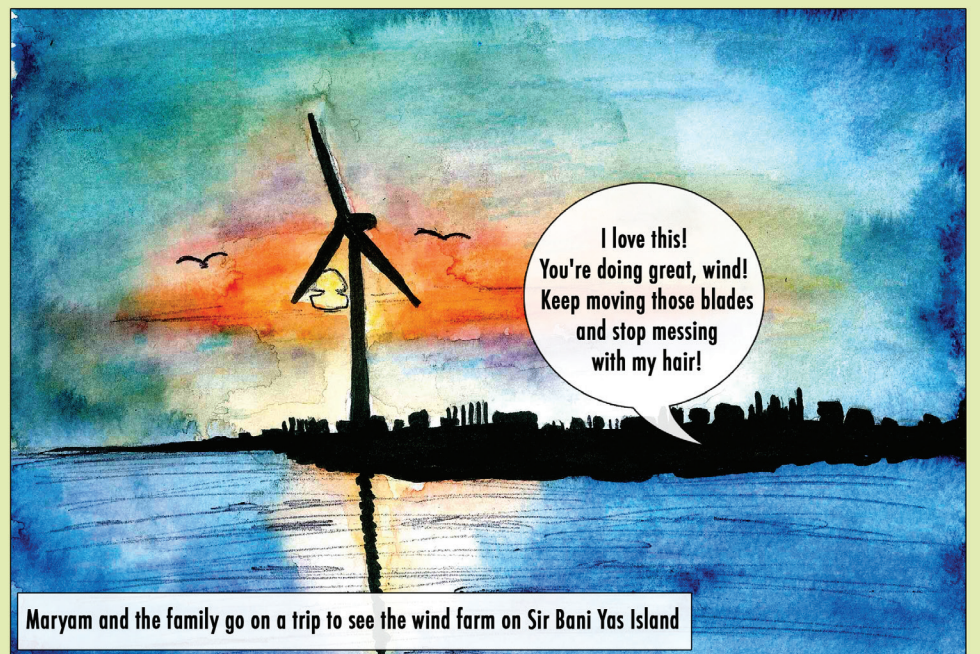
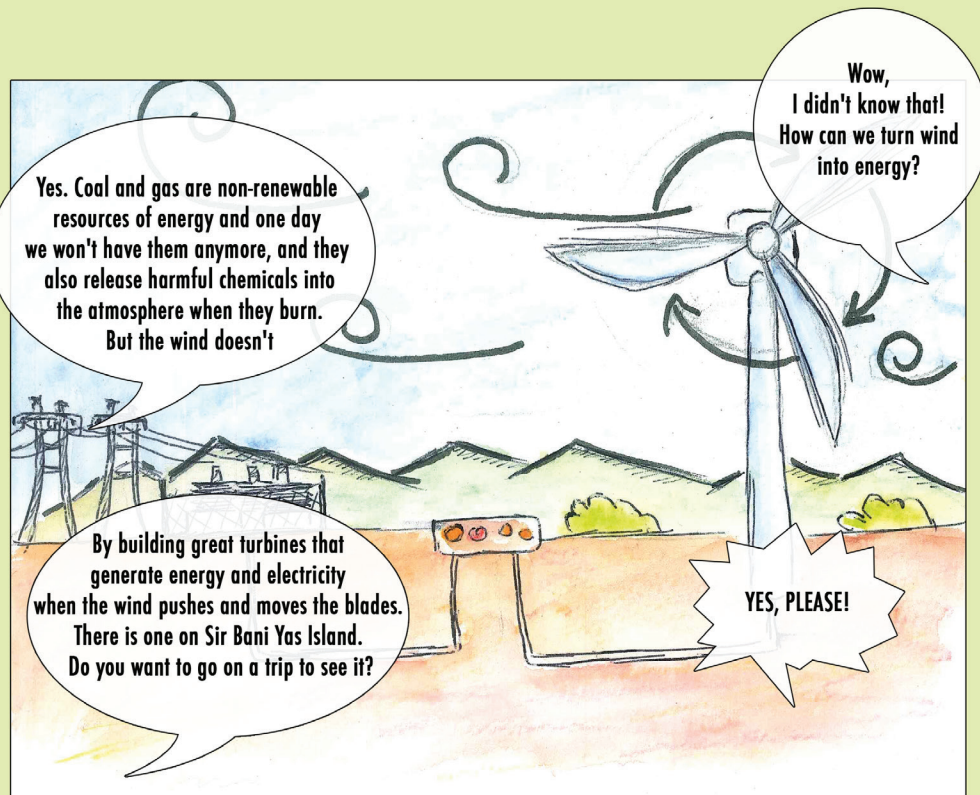


10. Use the string as necklace and enjoy a unique pendant that everyone will admire



Shaheen's Mini Adventures with Friends

Written by: Wafa Alabedy
Illustrated by: Wafa Alabedy





Maryam primary school, 2nd place winner in the Best Environmental Play category in the Sharjah Environment Awareness Award

مدرسة مريم للتعليم الأساسي الفائزة بالمركز الثاني في فئة أفضل مسرحية بيئية في جائزة الشارقة للوعي البيئي



The New Philipino Private School - Girls, 2nd place winner in the Best Environmental Solution category in the Sharjah Environment Awareness Award

المدرسة الفلبينية الجديدة - بنات، الفائزة بالمركز الثاني في فئة أفضل حل بيئي في جائزة الشارقة للوعي البيئي



Sharjah American International School, 1st place winner in the Best Environmental Solution category in the Sharjah Environment Awareness Award

مدرسة الشارقة الأمريكية الفائزة بالمركز الأول في فئة أفضل حل بيئي في جائزة الشارقة للوعي البيئي



Mrs. Rashida Adel, 2nd place winner in the Outstanding Individual Achievement Teacher category

الأستاذة رشيدة عادل، الفائزة بالمركز الثاني في جائزة الانجاز الفردي المتميز - فئة المعلم



Harshith Belagur, 3rd place winner in the Outstanding Individual Achievement Student category

هارشيث بيلاجور، الفائز بالمركز الثالث في جائزة الانجاز الفردي المتميز - فئة الطالب



Gulf Asian English School 3rd place winner in the Inter-School Recycling Competition – Large schools category

مدرسة الخليج الانجليزية الأسبوعية الفائزة بالمركز الثالث في مسابقة المدارس لإعادة التدوير - فئة المدارس الكبيرة



Fatima Al Zahra school, 1st place winner in the Inter-School Recycling Competition – Medium schools category

مدرسة فاطمة الزهراء الفائزة بالمركز الأول في مسابقة المدارس لإعادة التدوير - فئة المدارس المتوسطة



Delhi private school, 1st place winner in the Inter-School Recycling Competition – Large schools category

مدرسة دلهي الخاصة، الفائزة بالمركز الأول في مسابقة المدارس لإعادة التدوير - فئة المدارس الكبيرة