

ST.FRANCIS DE SALES SR. SEC. SCHOOL

Affiliated to CBSE New Delhi, Affiliation No.1730338
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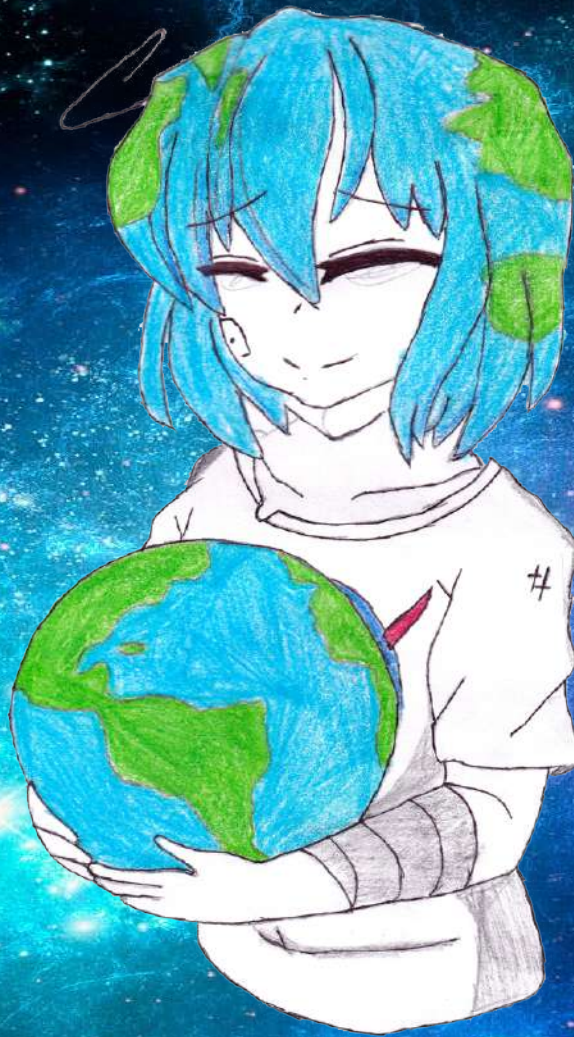


May 2022

PETALS

Monthly magazine

Issue:01



The Blue Planet



From the Editor's Desk...

OUR LIVING BLUE PLANET...

blue that defines our planet from space. From the natural science point of view, a system is recognized as a collection of species and microbes, separate above and within the soil profile.

This edition of SFS School E-magazine is a deep drive into species and the habitats on which the system depend. We have tried to present with the help of our students of 12th class science faculty in rough lines what the blue planet is. But what's hidden in, overall system that foretells an impending crisis. Depending upon the composition and the manner in which it is organized. In determining these, not only do the species play an important role, but the climate and soil conditions to contribute towards the development of our life on Blue planet. Our Blue planet is dynamically interconnected and it states the planets health.

We the editorial board along with the students tried to amplify the warning siren, because the situation is urgent and the moment to act is at hand.

The pace of change tells us there's no time to waste. Changes are happening in our life. We can and we must correct our course now.....

Editorial team



From the Principal's Desk...

Greetings to you my dear Staff, Students and Parents!

I am indeed happy today to meet you through this E-magazine under the title '**Petals**'. Petals is an initiative of our students and staff in bringing out their ideas, talents, views and creativity in the form of writing and drawing.



From this year we the Management, staff and students of St.Francis De Sales School, Gan-
gapurcity, have decided to come up with Monthly E-Magazine with various themes suitable for the
particular month.

There is an added joy today as the monthly E-Magazine is released on the two special occasions: a) **We the Fransalians mark the 400th Death Anniversary of our Patron St.Francis De Sales this year and are celebrating this year as 'The Year of St.Francis De Sales' and b) We celebrate the Ordination Anniversary of our Manager Rev.Fr.Peppin Jayaraj msfs.**

Theme for this month has been chosen as '**The Blue Planet**'. The Earth is called as Blue Planet because of its water source. However, today, the water scarcity, excess use of water and greedy extraction of natural resource has led to the gradual death of our planet. Keeping in mind this issue and the need of the time to respond and act quickly, our students of class XII have come up with their articles to bring awareness and to educate the readers. I congratulate all the writers and all those who contributed to this First E-Magazine of the school under the guidance of the teachers.

My sincere thanks to the Editorial Board viz., Rev.Fr.Romeo Louis msfs, Mr.Roy, Mr.Vikas, Mr.Riddhi (technician), Mrs. Anuj and Miss.Reena who have worked on this and have brought out this issue.

God Bless you!

Live Jesus!

Fr.Y.Edal Kumar msfs
Principal



The Manager writes...

*Dear*ly beloved

Greetings to you all!

Glad to pen these few words to wish you all dear Teachers and Students in your effort to publish a E-magazine of the school. I wish you all the very best.

Your hidden Talents find exposure though this medium. It will definitely record the achievements and various creative activities of the school periodically.

I hope and pray Y-OUR efforts will bear much fruit Glad to pen these few words to wish you all dear Teachers and Students in your effort to publish a E-magazine of the school. I wish you all the very best.

With Warm Wishes...

Fr.Peppin Jayaraj msfs
Manager





SCHOOL NEWS

The new academic year 2022-23 was begun on 4th April 2022. The teachers and students were enthusiastic to begin a new academic year, hoping and praying that this academic year will be a fruitful one for the all round development of everyone.

From 8th to 13th April the second and the final pre board exams were conducted for the classes 10 to 12 to increase their confidence in their upcoming board exams.

On 14th April the science faculty students of class 11 bid fare well to the outgoing 12th students. They put up a meaningful cultural programme followed by a get together.

The preliminary selection for the post of head boy and head girl was begun by the nomination of the students on April. The last round was the election held in the school on 22nd April. The students were sent to the polling booth and were asked to cast their vote in the ballot paper given to them. On 23rd April during the morning assembly Principal declared the result. Master Daril Chris was elected as the Head Boy and Miss Tanisha Meena was elected as the Head Girl.

To mark the 400th death anniversary of the heavenly school patron St. Francis De Sales, a special assembly was organized by the students of class IX A. A short life sketch of SFS was presented to mark the day. The school flag was unfurled by the Manager and the Principal.

Investiture ceremony was held on 30th April along with the anticipated birthday celebration and the ordination anniversary of Fr. Peppin, the manager.

**Mr. Vikas & Miss Reena
Teachers**

HEAD BOY SPEAKS...

Being a student of SFS undoubtedly I can say that it is the best institution to stay in .It is the union of well educated 'guiding lights'-the teachers who burn themselves thought their hard work to light us the developing candles. I am very grateful to the principal and the school staff for believing in me and giving me the opportunity to serve my school. I would like to thank all the members of this wonderful institution for giving me such moral and spiritual values which have polished me and shaped me to become worthy of being a head boy, this institution has also helped my emergence as a good student also a good human being. It is a matter of extreme honor to be elected as the head boy of such an elite institution which has excelled in each and every field be it in academics, sports, inter-school events.

"To become a diamond you have to be cut and polished and to be a shining star you have to be burnt."

According to me, if we want to achieve our goals and become a successful human person we should:-

- Never give up.
- Never give in.
- Never quit.

Being a passionate and a loyal leader I'll try my level best to help the students to accomplish their inspirational grades and I assure you that I will leave no stone unturned to make our school reach unscaled heights.



Master Daril Chris
The Head Boy

HEAD GIRL SPEAKS...

A leader is not the one who is the smartest but he is the one who is able to make his pupil the smartest, who is capable of bringing out the best from his pupil. First of all I would like to thank the entire school management and all the students who has shown immense faith in me by selecting me as the head girl of the school and it is my honour to be here for all of you. I can proudly say that I am in this school for last 13 memorable years and this is mine final year in this beautiful school. I hope that we all work together in making ourselves and our school as best as possible.



Miss Tanisha Meena
The Head Girl

I would not make the fake promises as those of politicians and show you big -big dreams. I may not be perfect and not always get things right, we will walk together and make those dreams come true. At this moment I am filled with enthusiasm to begin this fantastic journey of my life and it would be successful only with your valuable support and god's blessings.....

Why Earth is Blue???



Master Ansu P. Thomas

Our solar system has eight planets and Earth is one of the planets. All these planets revolve around the Sun in their own orbits. Each planet looks different in the satellite view of it. The planets not only are different from each other in terms of composition & size but it looks different from each other in terms of color as well. For example – Mars looks red, Moon looks ashy grey, Saturn has a yellow appearance, Sun appears brilliant white and our Earth looks like a blue marble, hence is called as blue planet due to its blue color appearance from the outer surface. But the question is why is it blue in color?

The Earth has almost 70% water on its surface due to which it looks blue in color. The images of Earth, most of its part looks blue which are the oceans present on Earth's surface, whereas some other part looks brown or green which is actually the continents and the poles of Earth look like white caps due to ice. However, the blue color of the planet may vary depending on the depth of the oceans. For example- If you take a look at the close picture of Earth's surface, it looks like light blue color at the area around the continents, whereas the deep areas of oceans look deep blue in color. The sky appears blue in color because our atmosphere disperses blue light quite efficiently as compared to red or orange light. This is why the sky appears blue in the day time as blue light gets scattered in all directions.

Our Home

Earth, our home planet, is a world unlike any other. Earth is the only place in the known universe confirmed to host life. It is the only planet to have liquid water on its surface.

Well, any idea that why our earth is also called as blue planet? The answer to this question is-

The third closest planet to the sun is the earth. The planet looks blue from outer space since its two-thirds of the surface is covered with water, so it is called a blue planet. That is 71% of the earth is covered by water. It is the fifth-largest planet in terms of size. On the poles, it is slightly flattened.

The form of the Earth is defined as a geoid. Conditions conducive to sustaining life are only likely to be found on earth. It has air and water, which are very important in life. The air has life-supporting gases like oxygen. When looked from the space it appears blue due to those water bodies.

A view over our Blue Planet

Earth provides every resource for sustaining living things and inanimate things. Our planet harming activities are resulting in causing an irreversible damage to the environment which results in degrading the condition of this planet. By taking care of this planet, we can improve our well-being as healthy environment will help in improving the quality of our life. It is our collective responsibility to raise public responsibility regarding the well-being of our mother earth.

We've rounded up a few reasons to understand the importance of saving our mother earth:

1. It's the only place to live: We all are aware of the fact that this is the only planet where life is possible. It is the only home we all have and that is why it is highly important to take important measures to save this planet. It is time to part our ways from planet harming activities as for all generation to live a healthier life, it is important to save our planet.
2. Biodiversity: One of the basic things that plays essential role in survival of all sorts of living beings is biodiversity. Because of biodiversity of our planet, we all are able to co-exist together. All variety of plants and animals are able to exist together to due to diversity of life. Negative human forces can disrupt the biodiversity which can result in loss of biodiversity. So, we need to take ample steps to prevent the damage to biodiversity.
3. It gives us food & water: Saving our earth and its environment becomes highly important as it provide us food and water to sustain life. Our well-being solely depends on this planet it gives food and water to all living things to it is our responsibility to take care of it.
4. The only way to honor our mother earth is by raising awareness about our environment and mother earth. By creating balance in our lives and adopting eco-friendly habits, we can make this planet a much better place to live in.

Final Thoughts

People around the world should understand the need of a greener & cleaner planet. We all need to fulfill our responsibilities & make ample efforts to protect our mother earth from planet harming activities.



Master Lalit

How to Prevent the "Blue Planet" from Destruction?

Plastic debris causes the deaths of more than a million seabirds every year, as well as more than 100,000 marine mammals. Around 85% of the world's fisheries are fully- to over-exploited, depleted, or in a state of collapse.

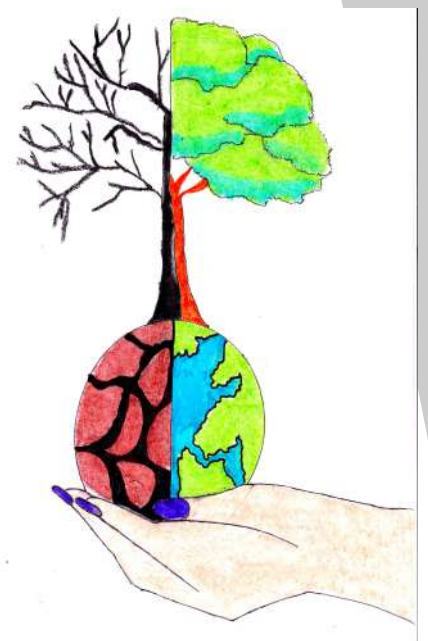
PREVENTIVE MEASURES:-

- 1) Prevent and significantly reduce marine pollution of all kinds, in particular from land-based activities.
- 2) Sustainably manage and protect marine and coastal ecosystems to avoid significant adverse impacts.
- 3) Effectively regulate harvesting and end overfishing illegal, unreported and unregulated fishing and destructive fishing practices and implement science-based management plans.
- 4) Prohibit certain forms of fisheries subsidies which contribute to overcapacity and overfishing.
- 5) Enhance the conservation and sustainable use of oceans and their resources by implementing international law reflected in UNCLOS, which provides the legal framework for the conservation and sustainable use of oceans and their resources.

In order to protect the oceans, there are some behaviors that we can put into practice. First of all, it's necessary to change perspective: oceans are important for us and, for this reasons, we have to protect it from human bad behaviors, like the dispersion of rubbish into the sea. We have to change our habits. A simple action, like changing the way we take a shower can have an immense impact on the "blue planet".



*Master Dhananjay
Meena*



Some Discussion on Water on Earth

Planet Earth has been called the blue planet due to the abundance of water on its surface. Here on earth, where liquid water is often taken for granted, in the solar system, it is a rare commodity.



Miss. Zunera Khan

Q. How much water is present on Earth?

Ans: About 71 percent of the Earth's surface is water-covered. 96.5% of Earth's water is in the oceans, 2.5% is freshwater, about 1% is salty water in the ground.

Q. Where does the freshwater come from?

Ans: Freshwater resources are nearly 70% locked up in ice, and most of the rest is in the ground. Only 1.3 % of freshwater lies on surface, most of which is in lakes

Fact: Lake Baikal in Russia accounts for 22-23% of world's fresh water.

Lake Superior has 10% of total freshwater on Earth.

Q. What is water cycle?

Ans: It describes the continuous movement of water on, above and below the surface of Earth. Liquid water evaporates into water vapor, condenses to form clouds, and precipitates back to earth in the form of rain and snow. Water in different phases moves through the atmosphere (transportation). Liquid water flows across land (runoff), into the ground (infiltration and percolation), and through the ground (groundwater). Groundwater moves into plants and evaporates from plants into the atmosphere (transpiration).

Q. what is water pollution? What are its effects?

Ans: The poisoning of oceans, seas, lakes, rivers, aquifers, and groundwater is referred to as water pollution. It continues to cause several ill effects such as destruction of biodiversity, contamination of food chain, lack of potable water, diseases like cholera, diarrhea, tuberculosis, jaundice, etc.

This makes it our responsibility to try to conserve water. Starting from the smallest acts like closing the taps while brushing, fixing the leaking faucets, preferring short showers, etc. since it is the little acts of kindness towards our planet which have the potential to make great changes.

Earth: The Blue Planet

Have you ever imagined as how our planet looks like from the space?

Well, when it comes to people imagining of how the earth looks like, all of us imagines earth to be a planet full of water- a blue planet and that's absolutely true. It is known as a blue planet because almost $\frac{2}{3}$ of it is covered with 'water'- the earth's most abundant substance.



Miss. Bhumika Meena

Unique planet

Earth is a unique planet in the whole galaxy. The only place where life happens to be exist. And I really think we are lucky to have a place which looks like a heaven whether its from sky or from space.

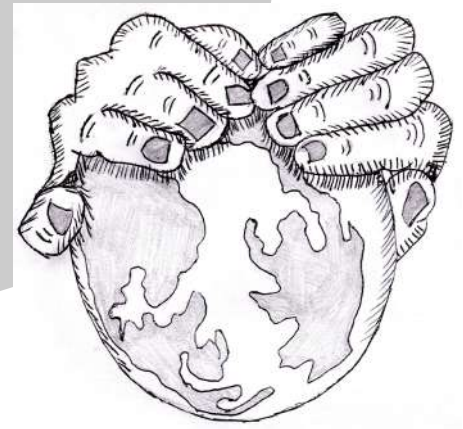
Blue planet-does not signifies it to be a fully blue color planet- but it's a mixture of many things apart from water. When we look the Earth from inside it consist of flora and fauna. Earth has abundant of space which provides home to millions of species.

Threatened planet

But but now this planet which was once beautiful with the healthy environment, pollution free water, air, soil has now become a threatened planet. Earth has given everything to humans but what are we doing? That's a biggest question mark..Humans are misusing it and making it difficult to remain the beautiful planet which once it was.

On every front- land, air and water- human activities have consequences, many of them negative. Earth faces environmental stresses, some urgent all needing attention. No part of the world remains untouched, No natural system untainted. Our Forests regulate waterflow, distribute nutrients and produce soil- Yet they are disappearing.

TAKE CARE OF YOUR HOME!- We call this planet as '**Our Mother Earth**' . The word '**MOTHER**' is power in itself. It is feeding our needs just like our real mother. So we as the children of it becomes responsible for taking care of it together. Not only in the terms of nature but also by maintaining the peace and harmony on it together and Earth is all we have in common.



Earth Has Some Interesting Facts...

1. It's the only astronomical object known to harbor life. While larger amount of water can be found on Earth throughout the solar system, only Earth sustains liquid surface water.
2. Earth lies in the GOLDILOCKS ZONE, which makes it to sustain life on it
3. The tectonic plate movement only takes place on Earth, which also helps in life consistency.
4. It rotates on its axis every 24 hours (a day) and revolves around the Sun every 365 days (a year).
5. The radius of Earth is meanly 6,371 km, and the diameter is nearly to 12,742 km.
6. Mother of Moon is our Earth itself, which is not a mythical fact. The Moon formed during a collision between the Earth and another small planet, about the size of Mars.
7. Earth is neither oval nor circular; it has a sort of a irregularly shaped Ellipsoid.
8. About 71% of the surface of Earth is water-covered, and the oceans hold about 96.5% of all Earth's water. And within that only 2.5% of it's pure, the rest is saline and ocean based.
9. Scientists have estimated that there are around 8.7 million species of plant and animals in existence.
10. The age of 4.543 billion years found for the solar system and Earth is consistent with current calculation of 11 to 13 billion years for the age of the Milky Way Galaxy.
11. The age of 10 to 15 billion years for the age of the Universe.
12. Mass of the Earth is 5.972×10^{24} kg.
13. The Gravitational Force on Earth is 6 times of the Moon's Gravitation, and its acceleration due to Earth's Gravity is 9.807 m/s^2 .
14. Venus, the second planet from the sun and is named after the Roman Goddess of love and beauty, and often referred to as Earth's Twin. (Because both the worlds share a similar size, surface composition and have an atmosphere with a complex weather system to name a few.)
15. The lowest natural temperature ever directly recorded at ground level on earth is -89.2 degree Celsius at the Soviet Vostok Station.
16. The highest temperature ever recorded is 56.7 degree Celsius.
17. Our Earth's angular velocity of earth is 1.99×10^{-7} radian/second.
18. The rotating sped of Earth is roughly 1000 miles per hour, or in other words it is 460 meters per second.
19. The accurate time period of earth to take one complete rotation is 23 hours, 56 minutes and 4.09053 seconds.
20. Temperature in the inner core is about 5,200 degree Celsius (9,392degree Fahrenheit).



Master Atvik Sharma





400th

Death Anniversary of St. Francis De Sales

