

Mahatma Education Society's
Pillai College of Education and Research

Chembur

NAAC 'A' Grade

'Sustainable Goals...Sustainable Future'



Learning For Sustainability

PRINCIPAL'S MESSAGE



Dr. Reni Francis
Principal, PCER Chembur

Sustainability and Existence have synonymously been used couple of times in our educational and life discourse. The co-existence between them is complementary. Everyday we see action taken towards sustainability, some need to be nurtured and fostered. These are good indicators to take up initiatives that churn a new era of sustainable practices.

The newsletter Learning for Sustainability is initiated to be an ambassador in bringing about change and envisioning a wider perspective towards life.

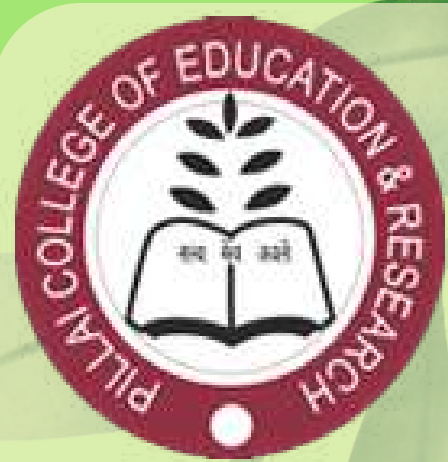
The attempt to provide awareness sustainable practices through news, day to day practices, special programmes and many more is the highlight of the newsletter.

This is the First issue released by PCER, Chembur and I congratulate the entire team led by Dr. Rajendra and Ms. Achala with the team of vibrant students to take this higher and be an agent of global change.

Best wishes



"Sustainable development is the development that meets the needs of the present without compromising the ability of future generations to meet their own needs." - Gro Harlem Brundtland



Mahatma Education Society's Pillai College of Education and Research

Chembur
NAAC 'A' Grade

'Sustainable Goals...Sustainable Future'



EDITORIAL



Dr. Rajendra Deshmukh
Asst. Professor, PCER, Chembur



Taking the initial step is crucial when embarking on a new endeavor. Just as activation energy is essential to initiate a chemical process, an initiator is vital to introducing new initiatives at the institutional level. We extend our heartfelt appreciation to Principal Dr. Reni Francis for her visionary idea of starting the "Learning for Sustainability" newsletter.

It is with great pleasure that I write the first editorial for this newsletter. We firmly believe that small steps can lead to enormous changes in the future. By actively participating in the creation of this newsletter, we aim to sensitize our students to environmental issues and ignite a passion within them for conservation and sustainable practices.

Together with the contributions of all participants, we can make a difference and create an enabling environment through sustainable practices. This newsletter will serve as a catalyst for change, fostering environmental awareness and consciousness among the entire PCER Chembur community.

We extend our best wishes to everyone at PCER Chembur for the success of this unique and notable initiative. The launch of this newsletter marks the beginning for a new found environmental awareness and inspire responsible actions. It is through initiatives like these that we can collectively shape a brighter and greener future for all.

The "Learning for Sustainability" newsletter will serve as a platform for sharing knowledge, ideas, and success stories in the realm of sustainability. It will empower our students to become active agents of change, promoting sustainable practices within our institution and beyond. We invite all students, faculty, and staff members to actively contribute to this endeavor, as your voice and experiences are invaluable in shaping our collective journey towards a more sustainable future.

In each edition of this newsletter, we will explore a wide range of topics, from energy conservation to waste management, from biodiversity preservation to climate change adaptation. Our aim is to provide informative and thought-provoking content that not only educates but also inspires action.

As we embark on this exciting journey, let us remember that sustainability is not a destination but a continuous process. It requires our unwavering commitment and collective efforts. Together, we can create a new milieu at PCER Chembur, one that fosters environmental awareness, sustainable practices, and a sense of responsibility towards our planet.

Once again, we express our gratitude to Principal Dr. Reni Francis for her vision and determination in spearheading this initiative. With her support and the active participation of the entire PCER Chembur community, we are confident that this newsletter will be a catalyst for positive change and a testament to our commitment to a sustainable future.

Let us embrace this opportunity and work together towards a greener, healthier, and more sustainable tomorrow.



Ms.Achala Bhor
Asst. professor, PCER, Chembur

We are excited to present the first edition of our newsletter, dedicated to promoting sustainability and highlighting the remarkable vision of our esteemed principal, Dr. Reni Francis. At PCER, Chembur, we firmly believe in the importance of environmental responsibility and sustainability, and we have been at the forefront towards a greener and more sustainable future. We are excited to launch this newsletter on "Learning for sustainability" which will be a platform to share the latest updates, insights, and initiatives focused on building a greener future.

Living sustainably is a necessity for our planet's well-being. Our actions today will shape the world we leave behind for future generations. A few key areas where we can make a difference and embrace sustainable living.

- 1.Reduce, Reuse, Recycle: Reducing our consumption, reusing items whenever possible, and recycling materials are effective ways to minimize our environmental footprint.
- 2.Energy Efficiency: Embrace energy-efficient practices by using LED light bulbs, turning off lights and electronics when not in use, and upgrading to energy-efficient appliances and also utilizing renewable energy sources such as solar panels to power your home or work place.
- 3.Sustainable Transportation: Transportation is a major contributor to air pollution and carbon emissions. Opt for public transportation, carpooling, whenever possible.
- 4.Community Engagement: Engage with your local community and become an advocate for sustainability. Join or organize clean-up drives, tree-planting initiatives, or educational programs that promote awareness about environmental issues.

Under the guidance of our principal, Dr. Reni Francis, PCER, Chembur has made significant strides in incorporating sustainability principles into our institutional practices through various initiatives and achievements Green Campus Transformation, Green Building Initiatives, Community Outreach activities. This newsletter is one such initiative to expand our sustainability initiatives, inspire innovation, and cultivate a culture of taking care of environmental that will benefit current and future generations. In each edition of the newsletter, we will explore various aspects of sustainability, from environmental conservation to social responsibility, contributing to a more sustainable world.

Looking ahead, we are excited to continue building upon the foundation laid by our principal thus embracing sustainability and working towards a greener future.

By working together, we can create a lasting impact on our surroundings. Together, we can make a difference!



Beach Cleanliness Drive

A Beach Cleanliness Drive was organized by Pillai College of Education and Research, Chembur, in collaboration with Stree Mukti Sanghatana and United Way of Mumbai, on the occasion of World Oceans Day i. e. 5th June 2023. The event took place at Dadar beach, near Kirti College, with the aim of celebrating the day and raising awareness about the significance of ocean conservation. They meticulously collected and segregated various types of waste, including plastics, glass bottles, clothes, and medical waste. Besides sensitizing, this experience served as a wakeup call for all participants, highlighting the importance of maintaining cleanliness in our surroundings.



E-Waste Management Session on the occasion of World Environment Day 2023



On 5th June 2023, PCER Chembur organized a session on E-waste Management to commemorate World Environment Day. The session was led by Ms. Kalpana Andhare, a prominent figure from Stree Mukti Sanghatana, a leading women's organization in Mumbai dedicated to the upliftment of society, the environment, and women's empowerment.

Ms. Andhare initiated the session by discussing the impact of urbanization and modernization on the environment. She highlighted how rapid changes in lifestyle, food preferences, and product demands have led to the production and use of non-biodegradable substances such as plastics, metals, glass, paper, and hazardous chemical byproducts.

She presented recent statistics on e-waste production and types of e-waste, emphasizing the hazardous nature of electronic waste and its implications for human health, climate change, and the environment. Ms. Andhare elucidated the challenges faced in e-waste management in India, including the concept of Extended Producer Responsibility (EPR) and the involvement of the informal sector in solid waste management. She then proposed a solution for individuals to adopt the 5R principle: Refuse, Reduce, Reuse, Recover, and Recycle all types of waste products. She also stressed the importance of waste segregation at the source as a crucial step to facilitate the waste management process.

The session was very informative and provided a platform for participants to exchange knowledge, experiences, and best practices in tackling the global challenge of e-waste. The recommendations and outcomes from the session will serve as a guide for developing and implementing effective strategies for responsible e-waste management, contributing to a more sustainable future.

Significant progress in SDGs, but challenges remain: MoSPI



India has made significant progress in Sustainable Development Goal indicators but needs to address challenges in certain areas, according to the National Indicator Framework 2023, launched on Monday. The report highlights significant gains made in maternal and child health, education, poverty and climate change since 2015-16. The National Indicator Framework tracked 284 indicators across 17 SDG goals.

- Maternal mortality ratio has declined to 97 per lakh live births during 2018-20 compared with 130 in 2014-16.
- Gross enrolment ratio or number of students enrolled as a proportion of the school-age population for higher secondary had risen nearly ten percentage points to 57.6 in 2021-22 from 48.32 in 2015-16.

An ET analysis found that in certain indicators, the situation has worsened.

- The gender wage gap for casual labourers has widened compared to 2017-18. In 2021-22 (July-June), the average wage gap between male and female casual labourers widened to Rs 134.5, compared with Rs 102.25 in 2017-18.
- Similarly, institutional assistance to seniors has declined in 2022-23 over the last two years.
- The proportion of total government spending on essential services (education, health and social protection) was also lower in the post-pandemic period.

The ministry further indicated that it had taken the initiative towards bridging data gaps in SDG reporting. Lauding the efforts made by the ministry in getting states, Rao Inderjeet Singh, the minister of state for MoSPI, underlines that “most states have developed state indicator framework in line with the national indicator framework”, and this step would go a long way in realising SDG.

-Vibha Mishra

(Source - The Economics Times)

GUJARAT CYCLONE NEWS



Cyclone Biparjoy is now the longest ever cyclone in the Arabian sea history breaking the record of the June 1998 cyclone as per data from the joint typhoon warning centre , said vineet kumar a reasercher scientist on cyclone. Gujarat is India's longest coastal state with 1,600 km stretch and prove to cyclone.

Despite all preparedness by the centre state government and disaster management bodies, loss to lives, damage to infrastructure and economic output loss are expected. Named by Bangladesh cyclone Biparjoy which means, “disaster” in Bengali language has a maximum sustained wind speed of 115-125 Kmph gusting up to 140 Kmph and may affect a coastal stretch of 325 km from mandavi in Gujarat to karachi in Pakistan. This was the second destructive cyclone that Gujarat is expected to witness after 2021.

- Rukhsar khan

Sustainable Development Poem On Nature

Climate change may be frighteningly
So to save this planet we need to start recycling
Fossils fuels are burning
One day this will make the world stop turnings

Fires,Hurricanes,Floods and Droughts
We need to sort this out
Our earth is melting
We are not helping

Our earth is crumbling
Our earth is grumbling
This planet is yours
This planet is mine

You need to think twice
You need to think right
Solar panels on roof tops
Or growing your own crops
They can save the world

Electric cars on the streets
Second hand shoes on your feet
These are sustainable ways
They can save the world
This problem is changeable

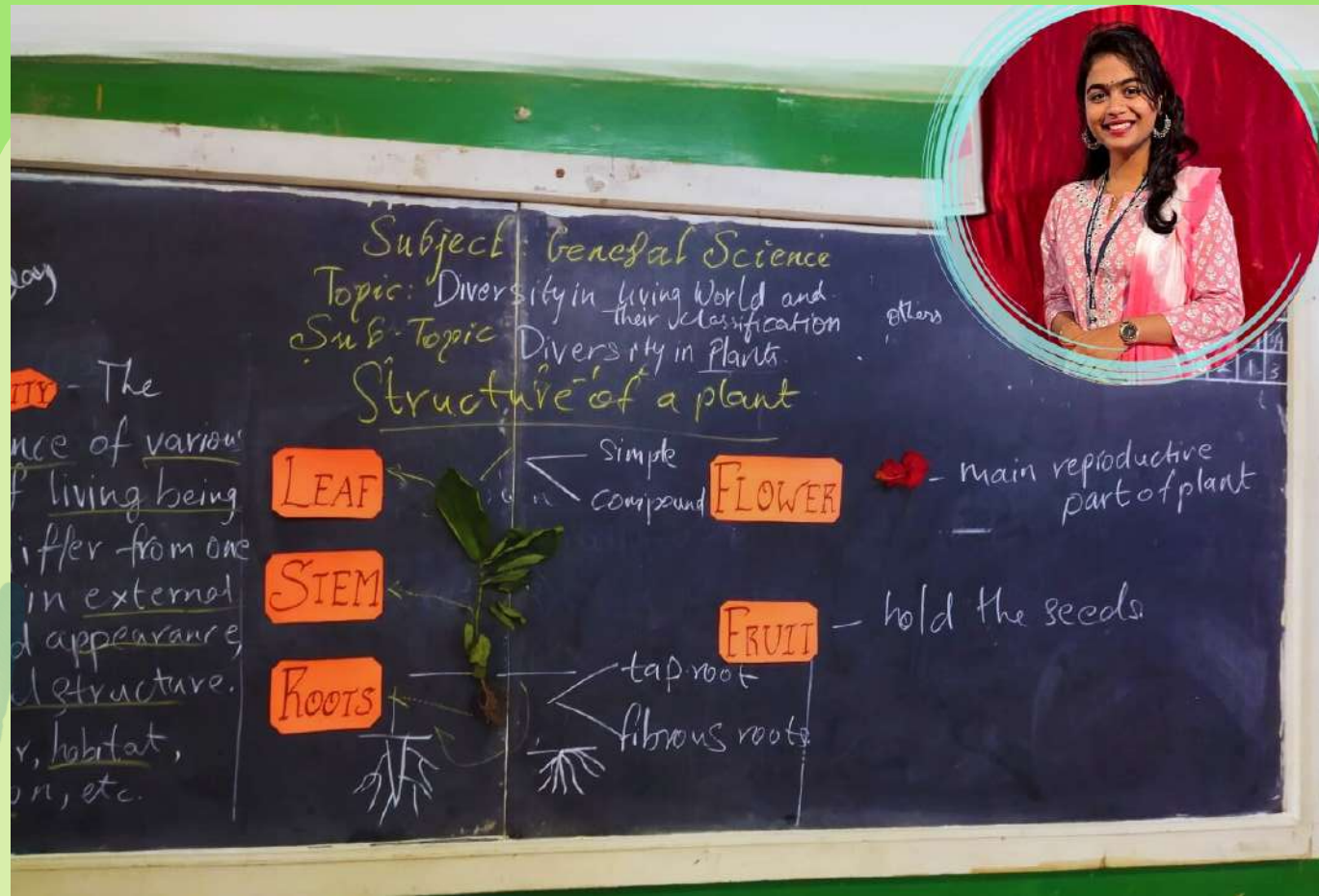
Everyone is capable
I hope this poem is persuadable
I hope this poem is inspirational
To make the planet more sustainable
Because nothing is unchangeable

Saheli Saha



Lesson Plan

Unit	Diversity in Living Things and their Classification
STD	VI
Duration	30 minutes
Learning outcomes	<p>Cognitive competencies: - The pupil recalls diversity.The pupil recognises the parts of a plant. The pupil lists the types of plants classified on basis of their method of nutrition.The pupil describes the structure of a plant.Psychomotor competencies: The pupil labels the different parts of a plant.The pupil solves riddles on different parts of a plant.Affective competencies: - The pupil distinguishes the different types of plants based on their method of nutrition. The pupil examines the structure of plant. The pupil writes the importance of plants in our daily life.</p>
Lesson Flow	<p>1. Introduction of the concept -Diversity2. Diversity in Plant3. Classification on basis of the method of nutrition a) Autotrophic Plants b) Heterotrophic Plants c) Insectivorous Plants 4. Structure of a Plant a) Leaf b) Stem c) Root d) Flower e) Fruit</p>
Evaluation	<p>Define diversity.Name the different types of plants depending on their method.State the different parts of a plant.Explain the function of each part in few words. What will happen if plants to don't flower?</p>
Extension	<p>Match the following.Worksheets and RiddlesOral (responses)</p>
Reflection	<p>I was a bit nervous at the beginning, but I made sure that my nervousness wasn't reflected on my face. With the Set induction, my confidence boosted, and the flow of explanation became easier, so I could complete my content effectively. The activity was fun for the students and seeing them actively participating, made me feel happier and confident.</p>



**One Year
After....
S. Y. B. Ed student
Mr. Sujaoy Mitra
with his Indian
Badam tree
planted on the
World
Environment Day
[5th June 2022]**

TEACHER EDITORS

Dr. Reni Francis (Principal)

Dr. Rajendra Deshmukh

Ms. Achala Bhor



STUDENT EDITORS

Ms. Vibha Mishra

Ms. Sonali Jana

Ms. Payal Patel

Ms. Supriya Patra