

Mehr Chand Mahajan
DAV College for Women
Sector-36A, Chandigarh (U.T.)
www.mcmdavcwchd.edu.in



Weekly report of
Green Good Deeds

(16 to 23 June, 2021)

Organized by MCM Eco-Club

To celebrate

‘BHARAT KA AMRUT MAHOTSAV’

The 75th Anniversary of India's Independence

Dr. Neetu & Dr. Sarabjeet Kaur
Coordinators

Dr. Nisha Bhargava
Convener & Principal

1. VIRTUAL WORKSHOP ON THE THEME “HOW FOOD RESIDUE CAN BE TURNED TO COMPOST?”

Activity coordinators: Dr. Bhavna Sood & Dr. Ritu Khosla

Date: 17 June, 2021

Number of participants: 50 students and 11 teachers

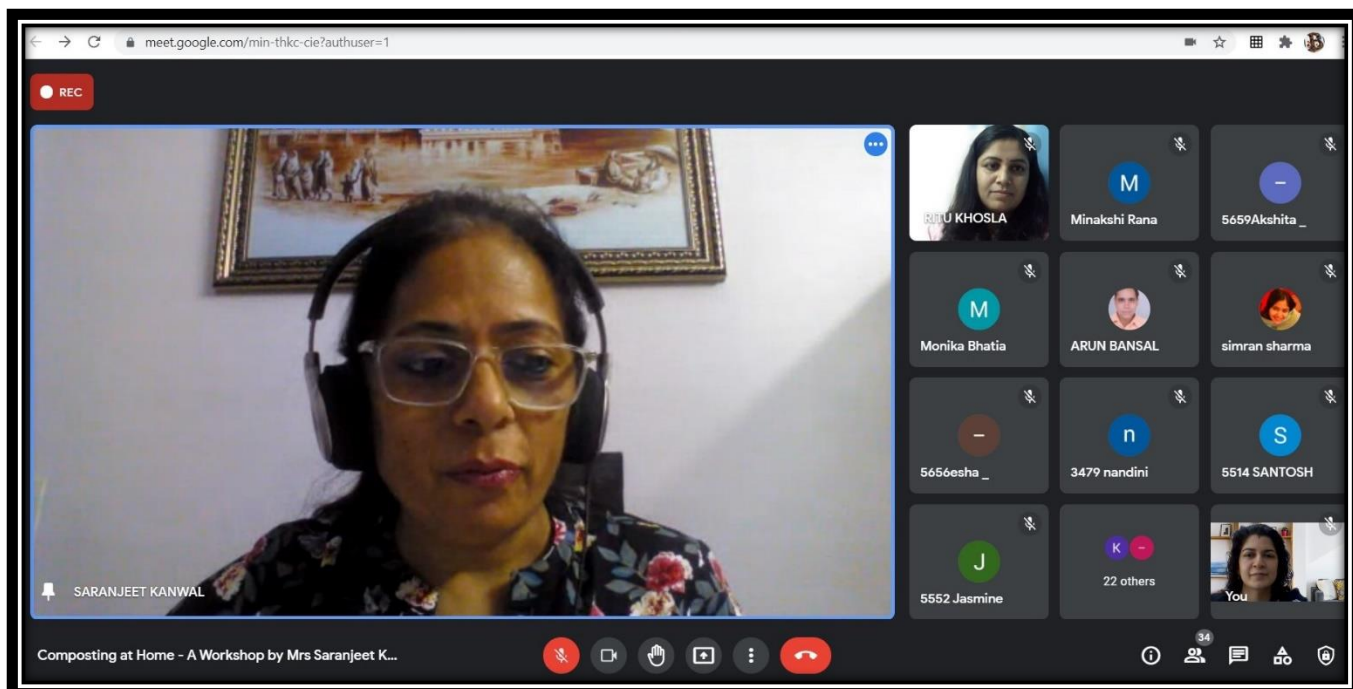
Objective:

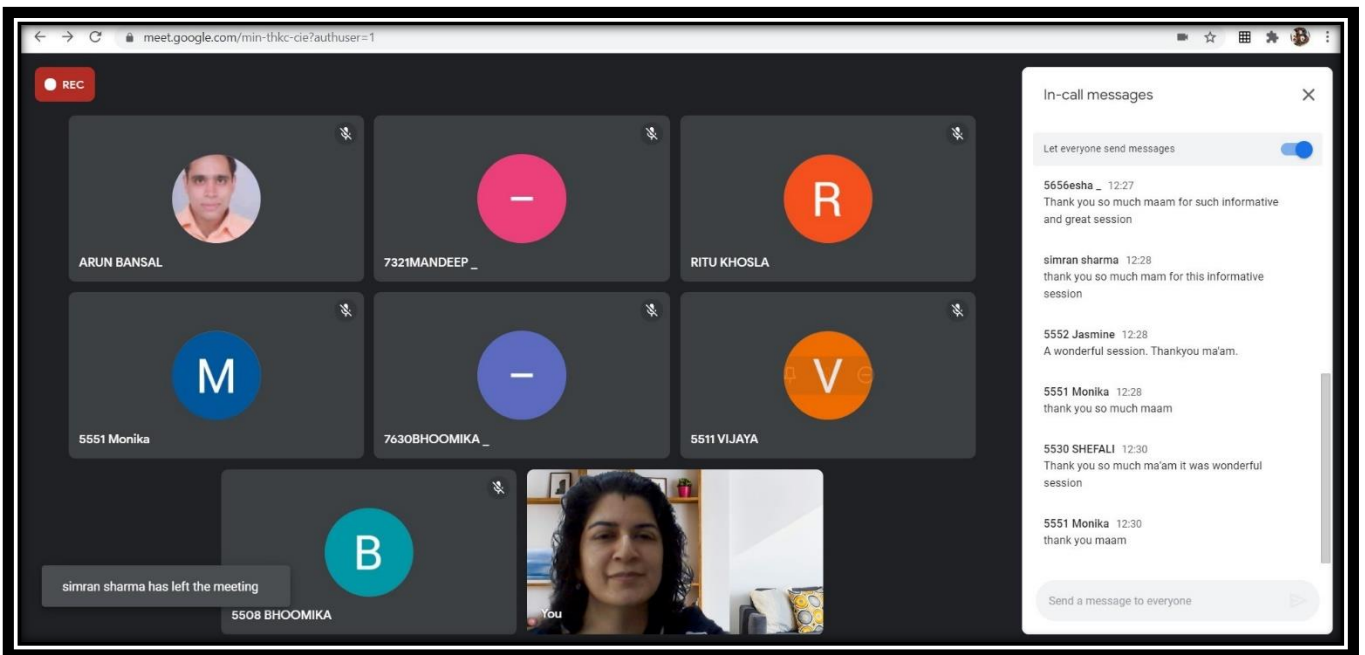
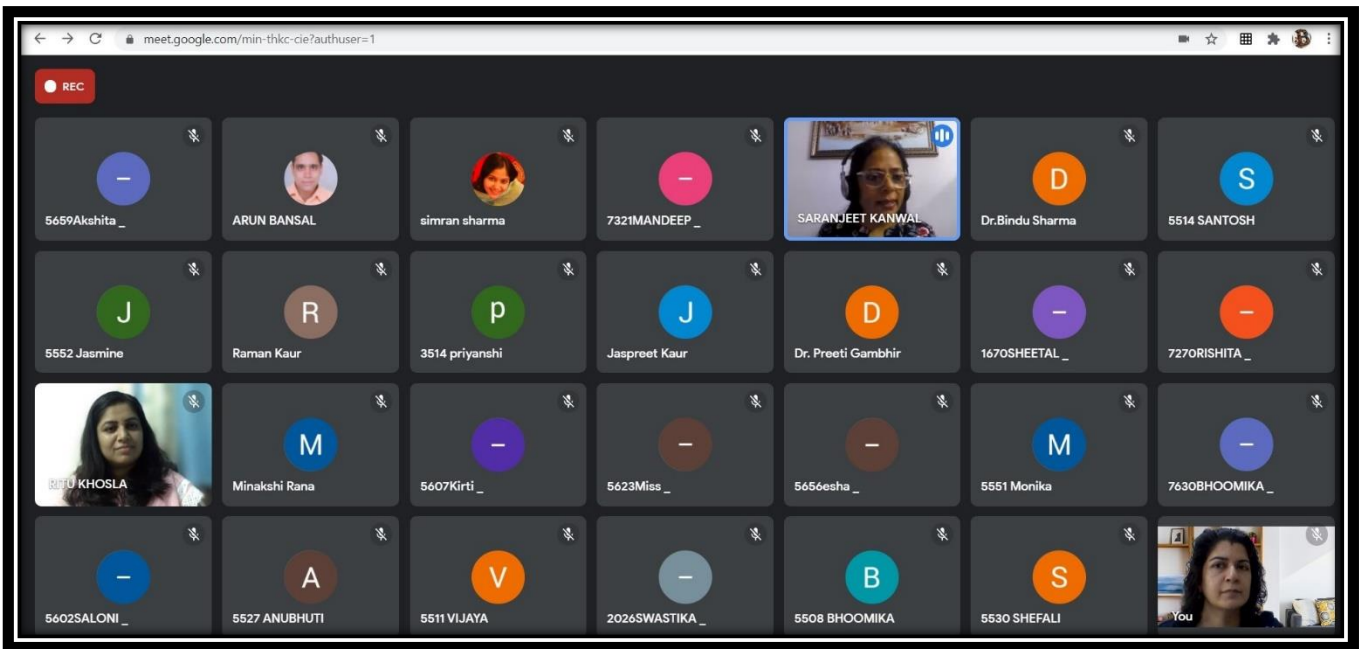
- To give the participants a detailed background on composting.

Context: Food waste has unique properties as a raw compost agent. Composting is the natural process of decomposition and recycling of organic material into a humus rich soil known as compost. Compost benefits the environment and helps to improve the structure of soil to support healthy plants.

Practice: Ms. Saranjeet Kanwal, the Resource person from Bhavan Vidyalaya, Chandigarh emphasized upon the importance of kitchen waste segregation and discussed four different ways to convert wet waste into black gold, the compost. She explained the process of vermicomposting followed by composting in pits, pots, and the method for converting compost into liquid fertilizer. She further discussed the benefits of compost in improving soil quality to promote healthy growth of plants.

Outcome: As many as 50 students and 11 teachers attended the workshop and learned about the methods of converting food residue into compost.





2. AN INTERACTIVE SESSION BASED ON THE THEME “DON’T OVERFILL FUEL TANK, IT IS HARMFUL TO THE ENVIRONMENT AND TO THE CAR ENGINE”

Activity coordinator: Dr. Pallavi Gupta

Date: 19 June, 2021

Number of participants: 75 students and 04 teachers

Objective:

- To create awareness among students regarding harmful effects of overfilled fuel tanks on the vehicles and the environment

Context: Overfilling petrol tank is not only bad for the vehicle and the pocket, but for the environment as well. Just like filling stations, the vehicles also have a vapour-recovery system. This evaporative-emissions system is designed to capture and collect fuel vapours from the tank, store them in a canister and then, upon start-up, introduce them into the induction system through an evap valve. This includes a small separate tank-within-a-tank in many vehicles, plus a charcoal canister and its plumbing. Overfilling can damage this system and lead to the vehicle malfunctioning. Also, the fuel expands as it warms up. If we overfill the tank, this fuel can find its way into the vapour-collection system of the car which can cause the system to malfunction and affect the vehicle’s efficiency.

Practice: To mark the celebration of “Bharat ka Amrut Mahotsav, 75th Anniversary of India’s Independence, the Department of Physics in collaboration with Renewable Energy committee and MCM Eco-Club organized an interactive session on June 19, 2021. In this session, students discussed detrimental effects of overfilling the fuel tanks. Ms. Khushi and Ms. Tamanna, students of B.Sc. I Non-Medical presented their views through power-point presentation. They informed that modern fuel tanks include an air space to allow for expansion of the fuel as temperatures change. If the air gap is filled with fuel, the fuel may have no room to expand as it heats up during the day. This may result in leaking of fuel out of the vehicle. Fuel leaks are a fire risk. Fuel leaking into the environment can also contaminate soil and ground water.

Evidence of Success: As many as 72 students and 4 teaching staff members participated in this session. The participants got encouraged not to get their fuel tanks overfilled so as to stop damage to the car engine and the environment.

REC 314 Khushi is presenting

According to Ed Nemphos owner of Brentwood in Baltimore

“By topping your fuel tank off, it can either overwhelm your evaporative system and break something or cause a hazardous leak by the excess pressure in the system,”

11:30 | nka-onxy-dlx

Why fuel topping is harmful ?

Fuel topping is not only harmful to your car but also to the environment.

Overfilling your fuel tank can cause pressure to build in the tank and flood the carbon filter vapor system

Overfilling the fuel tank can lead to gas spills which are harmful for the ozone.

11:32 | nka-onxy-dlx

REC

326 sehajpreet

314 Khushi

455 HARLEEN KAUR

425 NEESHA NEGI

312 TAMANA

345 PREETI

450 DEEKSHA TAKHMI

341 Ramnit

461 ISHTA

318 MUSKAN SHARMA

321 Tanisha

457 PRIYA

72 LOVEPREET KAUR

344 BHAVYA

12 CHESHTA

466 VANSHIKA SHEOR...

399 VANSHIKA SHAR...

305 deepika

398 JHANVI

424 PREETI

ISHITA SHARMA

83 Karishma

395 SHRUTI

471 DIKSHA KAMBOJ

SWATI KURITA

35 others

11:39 | nka-onxy-dlx

3. ONLINE POWER POINT PRESENTATION ON THE THEME “REUSE THE WASTE WATER OF REVERSE OSMOSIS WATER PURIFYING SYSTEMS FOR GARDENING PURPOSE”

Date: 20 June, 2021

Name of the Coordinator: Dr. Deepika Malik

Number of participants: 40 students

Objectives:

- To understand the importance of reusing waste water
- To spread awareness of reusing wastewater generated from Reverse Osmosis water purifying systems for gardening purpose

Context: Most Indian homes use reverse osmosis (RO) water purifiers. These RO systems are necessary for purifying water, but reverse osmosis systems waste a lot of water. The rejected water by RO has high TDS (Total Dissolved Solids) levels which make this water undrinkable and unsafe not only for humans but for animals as well. Therefore, instead of wasting, the waste RO water can be used for watering plants.

Practice: The Department of Food Science and MCM Eco-Club organized an Online Power point presentation on the topic “Reuse the waste water of Reverse Osmosis water purifying systems for gardening purpose” on 20th June, 2021. The students of B.Sc. I MFT participated in the event. With relevance to the theme, participants presented their ideas and understanding on reusing waste water generated by the use of RO water purifiers, for gardening purposes. Since this waste water is usually high in TDS, it is better to dilute it with some normal tap water and then use it in the garden. This is because high TDS water can reduce the fertility of soil in the long term.

Evidence of Success: Participants made power point presentations to illustrate their ideas. The activity was quite informative as volunteers were able to generate awareness about the reuse of waste water of Reverse Osmosis water purifying systems for gardening purpose.

5002 NOVELDEEP is presenting

Reuse the wastewater of Reverse osmosis water purifying systems for gardening purpose.

By: Noveldeep and Arushi
(BSc MFT 1)

16:20 | fmr6ijja3

5002 NOVELDEEP, 5088 ARUSHI DHIMAN, 5079 SANGAM, 5025 Chaitly, 5030 NAVDEEP, 5096 GURPRIYA KAUR, 5074 SEHAJPREET KA..., 5080 Harmeet Kaur, 35 others, You

5002 NOVELDEEP is presenting

Reverse Osmosis (RO) is a water treatment process that removes contaminants from water by using pressure to force water molecules through a semi permeable membrane. During this process, the contaminants are filtered out and flushed away, leaving clean and purified drinking water. Most Indian homes use RO water purifiers. RO water purifiers provide reliable water purification, but they often lead to unnecessary wastage of water.

Why do ROs discharge water?
This occurs mainly due to its membrane technology that requires additional water to clean the filter, which is later discharged; the quantity expelled varies with the model of the unit.

Why should we Re-Use RO Waste Water?
RO waste water is high in TDS, so it must be diluted with normal tap water before using it in kitchen garden. You can extend the RO waste pipe and drop it in a big tank placed outside your kitchen. Use the RO waste water for 15-20 days and check its effect on the growth of your plants. Each plant will respond to this change differently, which will give you a clear understanding of which plants are responding better to RO waste water. For gardening/irrigation use, a TDS level of up to 2100 PPM is permissible.

5002 NOVELDEEP, 5025 Chaitly, 5030 NAVDEEP, 5096 GURPRIYA KAUR, 5074 SEHAJPREET KA..., 5080 Harmeet Kaur, 5044 AGRIMA, 5079 SANGAM, 37 others, You

5002 NOVELDEEP is presenting

If you are someone who loves gardening or have planted some plants in pots, the waste water can be used for watering your plants to keep indoor or terrace garden green. This tip is particularly useful for people living in urban areas .There are many ways for this:

1. You can fill your watering cans and sprayers with this waste water.
2. You can install an automated plant watering system if you have a small garden in the backyard.(you just need a small motor and a sprinkler for this)
3. You can install a hydroponic gardening system in your kitchen. This is a very effective and advance method to grow plants.

5002 NOVELDEEP

5030 NAVDEEP

5096 GURPRIYA KAUR

5074 SEHAJPREET KA...

5080 Harmeet Kaur

5025 Chaily

5079 SANGAM

36 others

16:18 | fmr6ijja3

More options

5025 Chaily

5030 NAVDEEP

5096 GURPRIYA KA...

5074 SEHAJPREET ...

5080 Harmeet Kaur

5044 AGRIMA

5052 ANUSHKA

5023 Naina

5041 SEJAL

5098 SHIWANI THA...

5018 SIMRANDEEP

5028 RUBAL

5065 HARGUN

5030 PALAK

5064 NIKITA

5100 SHRUTI PASRI...

5057 SHRADHA

5088 ARUSHI D.HIM...

5002 NOVELDEEP

5097 HIMANI SHAR...

5026 SAKSHI

5053 SAIZEL

5079 SANGAM

5013 AAYUSHI

5057 PRABHUOT

5033 Harshika

5069 NIDHI

5072 ANTRA

5089 Mannat

5032 LAVISH

5062 GUNEET

5003 Divyanshi

5077 Rupika Arya

5090 PRATISHTH S...

5086 SIMRAN KAPUR

5048 HARSIMRAT

5016 ISHDEEP

5034 MICHANDEEP

5040 PARNEET

You