




**ST . THOMAS' SCHOOL
PRESENTS.....**



THOMASITES FOR EARTH

In this world there is no force equal to the strength of the citizens determined to bring about a change. We do not have to be environmentalists to save the world. Small and insignificant changes in our lifestyle can do wonders for our wailing earth.





**As we conclude another Green year
at St. Thomas', we reflect on the
green activities that we were a part
of, on campus and beyond, which
made us more aware and a step
closer to being a
Thomasite for Earth.**

ECO NEWSLETTER MARCH 2014

- What's Inside:-
 - Kids For Tigers
 - Excursion to Yamuna Diversity Park
 - Trip to Rajiv Gandhi Renewable Energy park
 - Green Habits
 - Environment Quiz
 - Thinker Tanker Thomasites Member Profile



**We participated in the
Kids for Tigers Fest organized in
Salwan Public School**





This event of Kids for tiger was broadcasted on NDTV news channel.





**An Excursion To
YAMUNA
BIODIVERSITY PARK**

Medicinal Herbs

- On 11th Feb 2014, we had a great and memorable time on our visit to the YBP. Our group of 60 girls was divided into two groups. We were told that here we would find many plants which were locally extinct a 100 years ago. In the green poly-house we saw Ratti (*Abrus Precatorius*) whose seeds are used in many hair tonics and leaf poultice can be applied on painful swelling and eye inflammation.

During the walk in the herbal garden of the miniature forest we came across many medicinal plants with miraculous healing properties like Patherchatta (*Bryophyllum Calycium*)-used in removing Kidney stones Safed Musli (*Chlorophytum arundinaceum*)-a general tonic and a main constituent of the Chawanprash. Inputs by: Divya Agarwal , IX-C



Wetland

In this unforgettable tour, we had the opportunity to see 2 of the Delhi's 8 wetlands. The wetland which stimulates natural water bodies have significant purposes. It serves the much needed ecological function of water purification, groundwater recharging and storage of rain water. It hinders the excessive flow of water avoiding flooding in the post monsoon period



These beautiful wetlands are a home to a number of fascinating migratory birds flying from China, Siberia, Europe and Japan

Common
Hoopoe



Indian Roller

Purple
Sunbird



Paddyfield Pipit



**A BIRD SANCTUARY HAS BEEN
CREATED IN THE AMBIENCE
OF METROPOLITAN DELHI**

TRIP TO RAJIV GANDHI RENEWABLE PARK, GURGAON



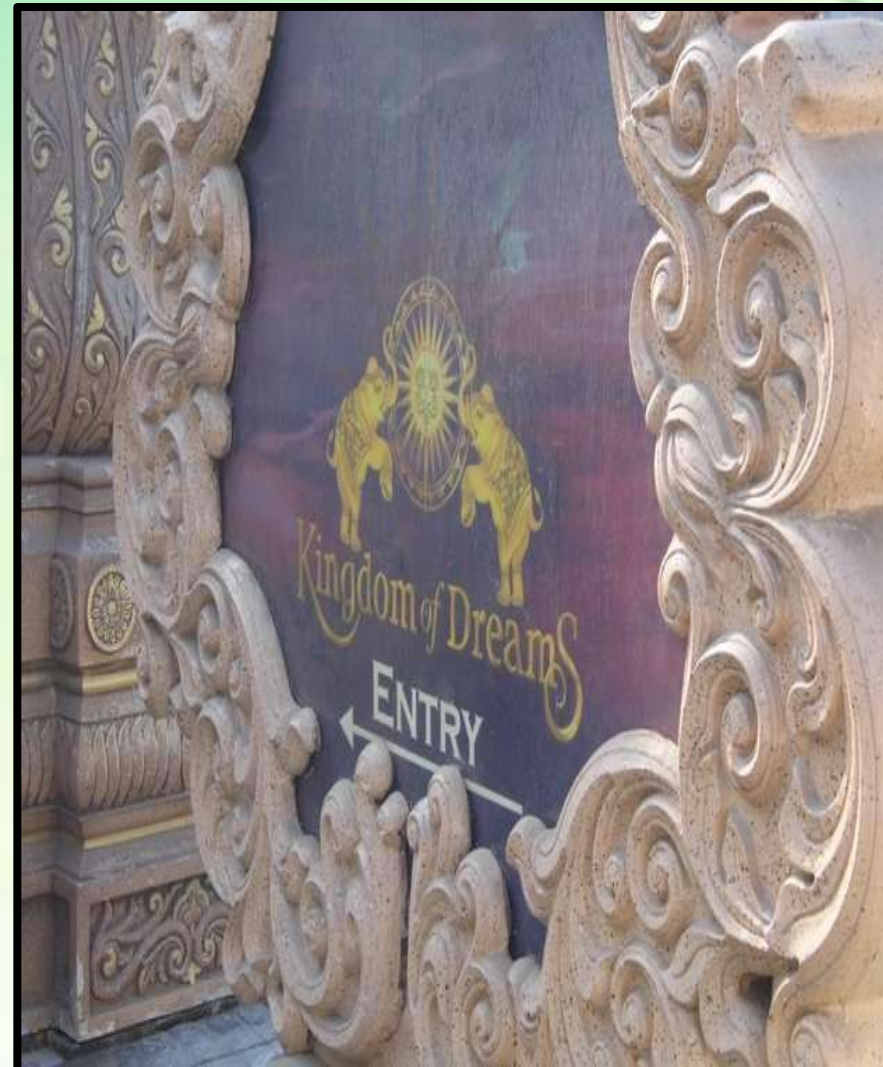
14 students from our school were a part of this trip



On our way to an exciting new learning!



The park was located in Gurgaon, right opposite Kingdom of Dreams





Our First steps in the park!!

The Rise of the Sun

advit foundation
www.advit.org

2 BC, the Greek scientist, Archimedes, used reflective properties of mirrors to set fire to wooden ships in the Roman Empire, which were besieging Syracuse.

1839 French scientist Edmond Becquerel discovers the photovoltaic effect.

1876 William Grylls Adams and Richard Evans Day discover that selenium produces electricity when exposed to light.

1905 Albert Einstein published his paper on the photoelectric effect.

1932 Audubert and Stora discover the photovoltaic effect in cadmium sulfide (CdS).

1982 The first, photovoltaic megawatt-scale power station goes on-line in Hesperia, California. It has a 1-megawatt capacity system.

1982 Worldwide photovoltaic production exceeds 9.3 megawatts.

1963 Sharp Corporation succeeds in producing practical silicon photovoltaic modules.

1999 Cumulative worldwide installed photovoltaic capacity reaches 1000 megawatts.

2001 NASA's solar-powered aircraft — Helios sets a new world record for non-rocket powered aircraft: 96,863 feet, more than 18 miles high.

2007 World's First commercial Solar Tower (CSP) installed in Seville, Spain with a capacity 11 MW.

2009 Tokai Challenger (Solar Car) crosses 2998 km with an average speed 100.5 kmph.

2011 World PV installed capacity reaches 67.4 GW.

2012 World PV installed capacity reaches 100 GW.

**A solar café in the park was
nothing short of amazing....**



A short presentation by the organizers



The entire park was Solar powered!



The water pump.....



The condenser





**The roofs of all
the buildings
were covered
with Solar
Panels**

Solar Power Projects in Haryana as on March 2012



Uttam Foundation
www.uttam.org

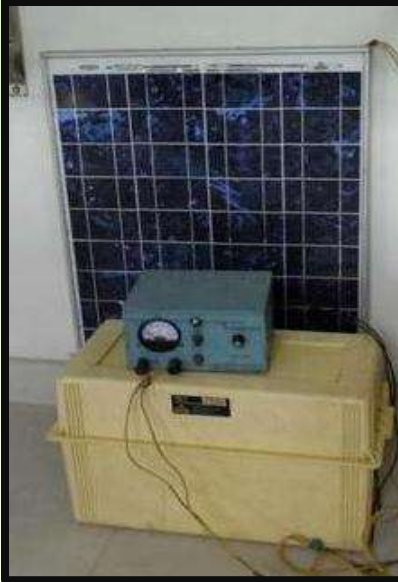
DISTRICT MAP OF HARYANA



Information adapted from: www.hareda.gov.in

Working models of all the big scale Energy Saving Projects





This exhibit consists of two types of Biogas Plants - i) Dinbandhu Type & ii) KVVC Type. These cut models demonstrate how energy is generated from cow dung and human waste.



SOLAR KITCHEN
This kitchen uses the sun's energy to cook.

Solar Radio
An antenna and a solar panel are used to receive and transmit radio signals.

Solar Fan
An electric fan powered by solar energy.

Solar Cooking **RGREP**
A solar cooker that uses the sun's energy to cook food.



A Solar Food Heater



The Highlight of the trip...

The Solar Car!!





**No license
required!**



Even our teachers had a go at the wonderful vehicle!!



A giant energy generating Hamster Wheel!

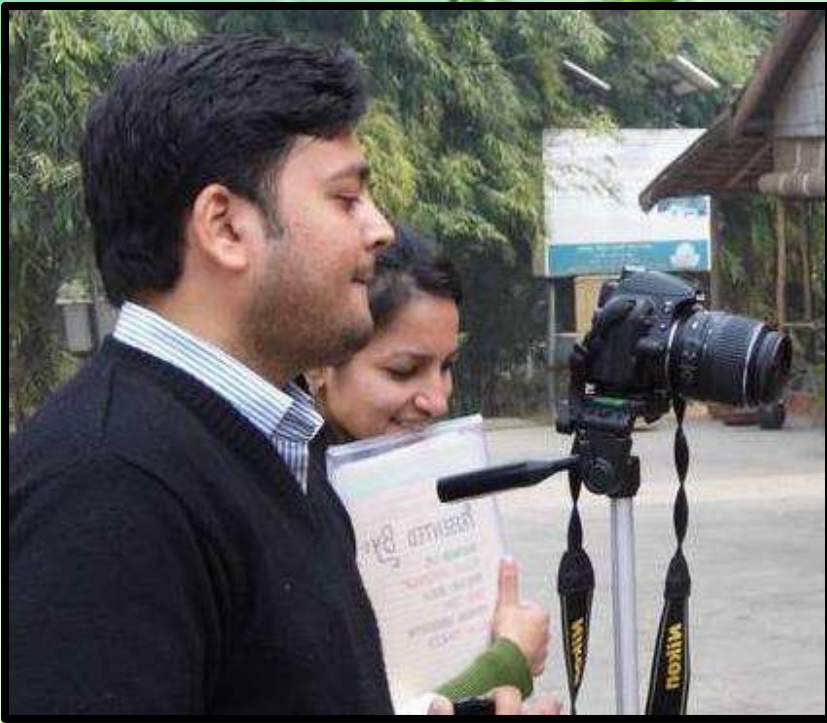


A rotating slide which generates electricity when we play!





**A final shot of what
we learned and
experienced...**





Our Mentors, Mrs. Shweta Frederick and Miss Vineeta Mathur, with our Park Guide



HOW CAN I BECOME THE
GREEN STAR ?



BE A GREEN STAR BY ADOPTING GREEN HABITS !

**Encourage green habits by
being a good role model.
Set a good example and
that will cause much more
change than all the talking
in the world. Educate
yourself and fight the
impulse purchase.**

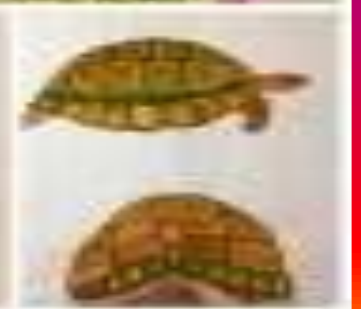


OUR GREEN HABITS

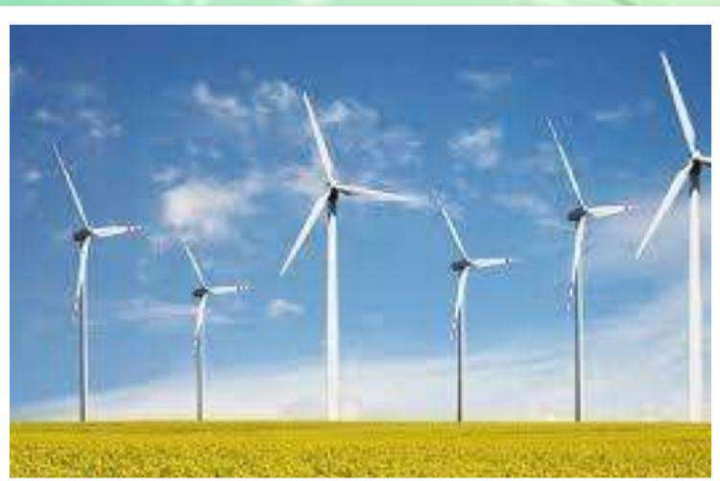


FIGHT FOR A BETTER WORLD

Art &
Awareness



WAYS TO INCULCATE GREEN HABITS






LET'S VALUE THEIR GREEN HABITAT

BY

VIDUSHI DHINGRA



The background features a light green gradient with a faint image of a glass flask on the right side. At the top, there are green leaves and stems. The text is centered and has a reflection effect below it.

**RESULTS OF THE
INTER-CLASS
COMPETITION BASED ON
GREEN HABITS**

Hi, my name is Riddhi Gupta. My green habit is to take care of my pet....



My pet is a cock and its name is Choosy. It's white in color. I love spending time with it. It likes eating bajra, chapatti and cucumber, etc. It often sleeps after lunch at 4pm. It is my best friend...!!



Winner of the interclass competition based on green habits..



MY GREEN HABIT- GARDENING

Flowers always make people better, happier, and more cheerful; they are like sunshine on a winter morning or like medicine for my soul when I'm unwell. I like spending time with the beauty of nature in my backyard.

Sumedha Verma
VIII-E



OUR GREEN HABIT IS TO TAKE CARE OF OUR PET !!



ENVIRONMENTAL QUIZ

Q1. Which country emits the largest amount of CO₂ ?

Q2. Which city in India is the least polluted?

Q3. How long does it take for glass to decompose completely?

Q4. How many trees can be saved by recycling 1 ton of paper?

Q5. Which solution dissolves gold?



- Q6. What is the most common type of debris that litters our oceans?
- Q7. Which sector is the single-largest consumer of fresh water in India?
- Q8. Which is the most common non-commercial biological fuel in a large number of developing countries?
- Q9. In which year was the World Wildlife Fund created?
- Q10. Name the national animal of Australia.



• ANSWERS:-


- Ans1. China
- Ans2. Bangalore
- Ans3. 1,000,000 years
- Ans4. 17 trees
- Ans5. Aqua Regia
- Ans6. Cigarettes
- Ans7. Agriculture
- Ans8. Fuel Wood
- Ans9. 1961
- Ans10. Kangaroo





GREEN DAYS

Here is a list of Green Days you can
celebrate to do your bit for our
Mother Earth.



WORLD WETLANDS DAY

2 FEBRUARY



INTERNATIONAL DAY OF ACTION FOR RIVERS



MARCH 14

WORLD SPARROW DAY

20 MARCH



House the Sparrow



PLANT FOR THE PLANET



World Planting Day
(21 March)



UN WATER
WORLD
WATER
DAY
2014



& water
energy



22.03.2014

Water is life



**MARCH 23 WORLD
METEOROLOGICAL DAY**



Happy
World Animal Day!
4th October

The background of the slide features a soft-focus image of green leaves on a thin branch, set against a light green and yellow gradient. The text is centered and has a reflection effect below it.

**DIY: MAKE THE
BEST OUT OF WASTE**

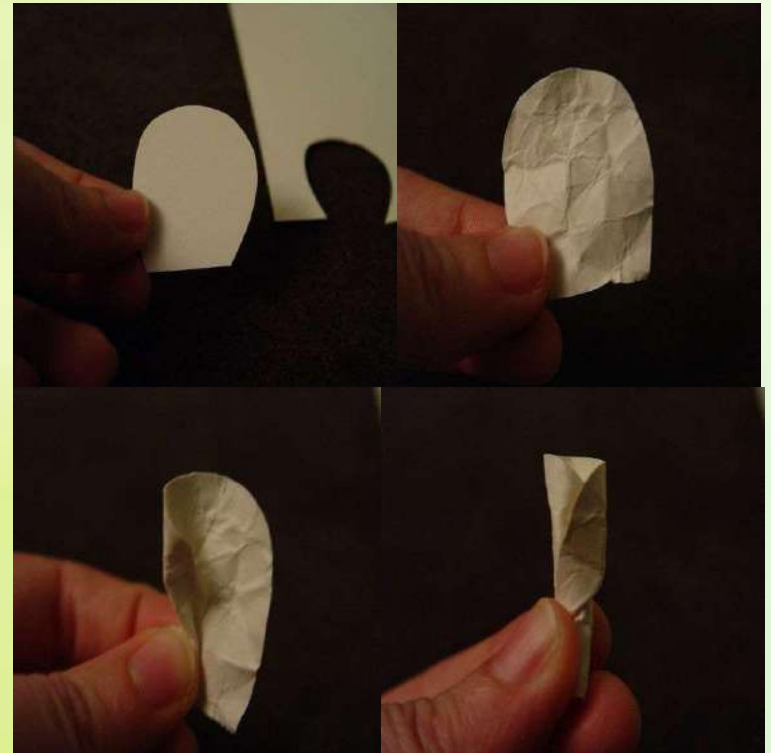
HOW TO MAKE A BEAUTIFUL FLOWER OUT OF WASTE:

Step 1 : Everything you need.....



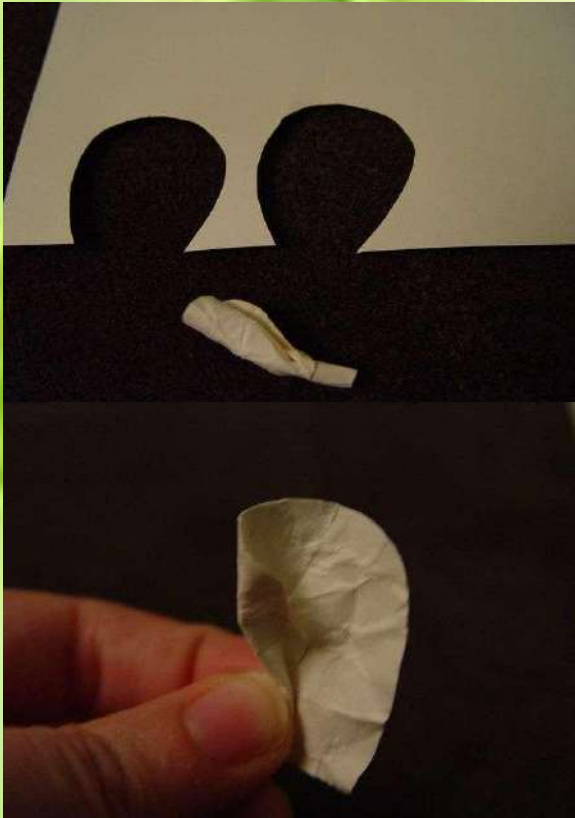
- A pair of scissors
- Fevicol /glue
- Metallic wire
- Green or Brown Tape
- Waste Paper

Step 2 : Cut out a petal and crumple



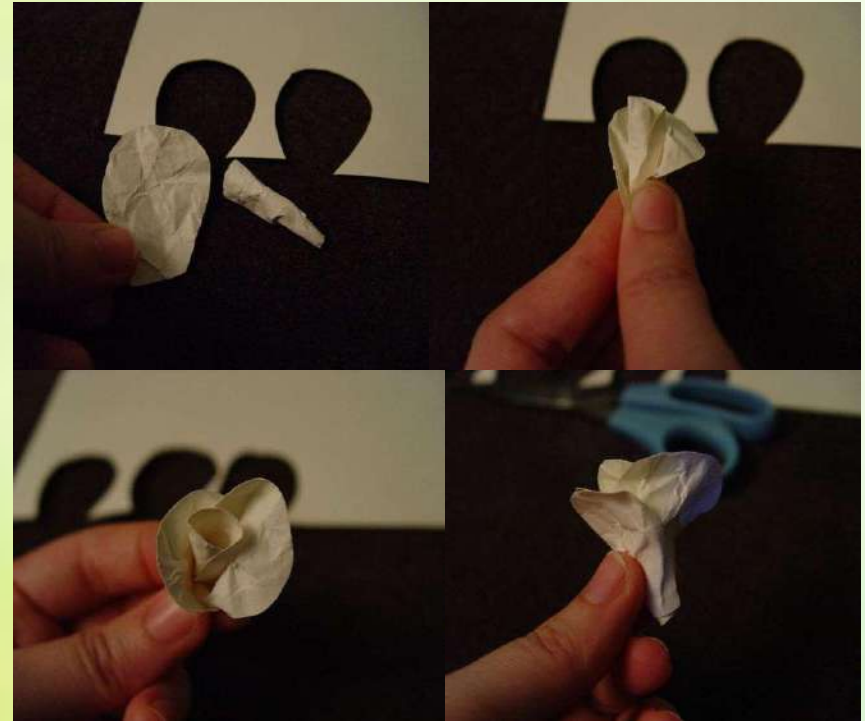
- The crumpling makes the paper more pliable. Then just shape the petal into the form of the center bloom.

Step 3 : Add Glue



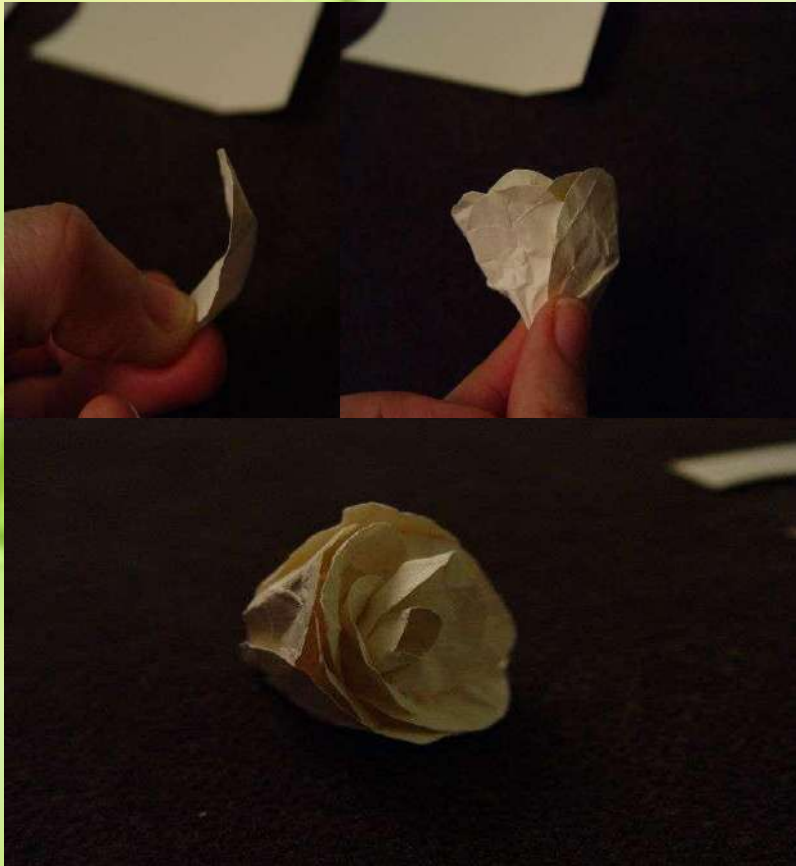
- Just add a small dab of glue to the bottom of the petal to hold the shape you want.

Step 4 : Continue adding petals



- Add petals to create a flower that is as big and open or as small and budded as desired. You can be as creative as you want. Experiment and have fun with it!

Step 5 : Creating outer petals



- Pinch a little fold at the bottom of the paper to create a curved petal. Add as many as you feel are sufficient.

Step 6 : Insert stem



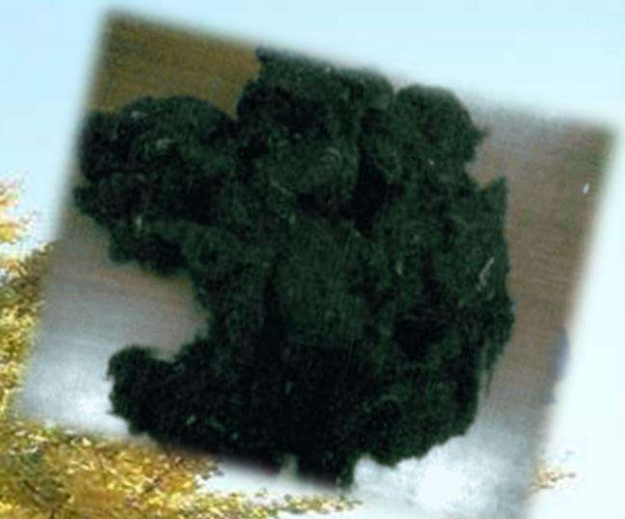
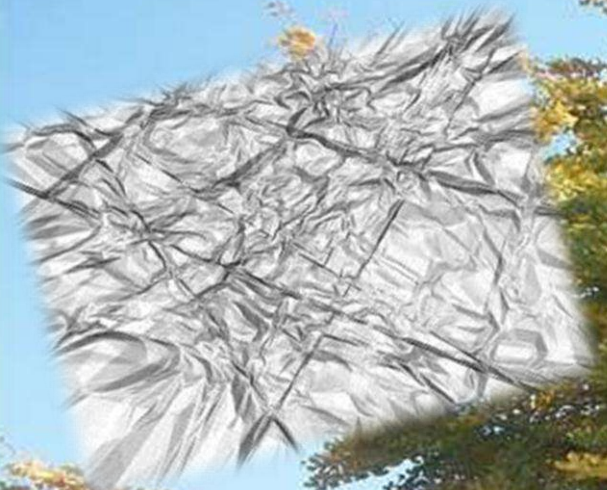
- Add a dab of glue to stem wire or what ever you want to use as the base and insert into the center bottom of bloom. And there you go! A beautiful flower!

Step 7 : Creative things for finishing touches



- You can use floral tape and waste scrapbook paper to add leaves and to make into bunches. You can also hand paint the stems to make the bunches look even more realistic.

Tutorials : Mahima Sethi & Rebekah Awungshi



We can use waste material to make useful things...



PAPER BAGS



FUN JEWELRY ITEMS



CRAFT ITEMS

Utkarsha
VIII- E



1. Turn off the water when you are brushing your teeth. Water flows at a rate of 3 gallons per minute.
2. Turn off electronics like the TV, radio, game systems, etc. when not is use. Don't allow them to pause a game or TV show on the DVR. Doing this could save you 10-15% on your electric bill.
3. Understand a reusable lunch bag is not "geeky" — it's green. Help them be proud about doing their part.

The background is a light green gradient. At the top, there are several green leaves and stems. A large, faint, circular graphic is visible on the right side, resembling a stylized leaf or a drop. The text is centered and written in a bold, black, serif font with a white outline.

**HERE ARE SOME NGO'S YOU CAN
ASSOCIATE YOURSELF WITH
DURING THE SUMMER BREAK TO
PROMOTE GREEN HABITS.**

LET'S THINK AND ACT AS RESPONSIBLE TRUSTEES OF EARTH !

- ★ **DEEKSHA** - Diffuse Environmental Education Keep Society Humbly Aware.
It is a Research, Consultancy and Advocacy Non Government Organization (NGO) with its Headquarters at New Delhi and regional office at Chandigarh, India. They aim to play a significant role in providing Public Education and formulating National Policies on Environmental Education, Environmental Care, Bio-diversity, Natural Resource Conservation, Herbal Gardens, Water Conservation, Water Harvesting, Solid Waste Management and provide training to the people in the field of Environment.
- ★ **CHINTAN** – It works for environmental justice in partnership with people and groups from diverse sections of society. Their focus is on ensuring equitable and sustainable production and consumption of materials, and improved disposal of waste. An important part of this is ensuring green jobs, security and dignity for the urban poor, many of whom earn a living as waste recyclers



★ **SAPNA** - It was registered in Delhi under the Societies Registration Act (XXI) of 1860 on October 21, 2004, by a group of professionals who shared a dream to work on a people-centric model of development in areas of public health, education, women empowerment, community development and social welfare.

Inspired by Gandhian ideals of social change, SAPNA's primary objective is to promote community health programmes and services , support literacy centres and e-learning , work towards empowerment of women , facilitate livelihood programmes , help the poor access information and resources and work for environment protection and conservation.

★ **SANKALP** – It is an environmental and social development foundation which is committed to environment sustainability programmes and child development issues . It is run by Dr. Seema Upadhyaya and youth of Delhi University .



The background of the slide is a close-up photograph of several green maple leaves. The leaves are in various stages of focus, with some in the foreground being sharp and others in the background being blurred. The lighting is bright, creating a soft, natural feel.

**THE THINKER TANKER
THOMASITES**

Member Profile

Step towards a better future..

I'm just a sixteen year old ,trying to make a difference.

Writing this today, I have no hidden agenda...I m fighting for my future.

Loosing your future is not like loosing elections or a few points in the stock market, it much more...

I'm here to represent all generations to come,

I'm here on behalf of the starving children on the roads, the countless animals who are going extinct because they don't have any place to live.

Today, I'm afraid to go in the sun because of the hole in the ozone,

I'm afraid to breath the air because I don't know what pollutants are in it.

Animals and plants going extinct , vanishing forever....

In my life I had dreamt of seeing great herds of wild animals, birds and butterflies wondering around in the jungle but now I fear, if they will even exist for our children to see.

All this is happening before our eyes and yet we act as though we have all the time and all the solution...

I'm only a child and I don't have all the solutions, and

I want you to realize that neither do u have all the solutions...

Do you know how to fix the holes in our ozone?

Or How to bring back the animals now extinct? Or How to bring the salmon back up in a dead stream? You can't bring back the flowers that once grew , were there is now a desert...

My only request to you is , If u cannot fix it then stop breaking it..

I'm only a child , yet I know that we all have to unite and fight against one single goal.

In today's world ,even if we have more than enough we are afraid to share,

We are to afraid to let go some of our wealth!!

Two days ago, I was shocked when I spent some time with the children living on the streets,

A boy said, 'I wish I was rich and if I were,..'he added " I would give all the street children food, shelter ,clothes, love and affection.

If a child on the street is willing to share then why are we who have everything still so greedy...????

You are deciding what kind of a world you are growing up in..

You r what you do and not what you say, Make your actions reflect your words...

Take A step towards a better future.



MAHIMA SETHI

(XB)

Co-editor of our
School's Eco
Newsletter

Hi,

My name is Rebekah,

Co-editor of our school's Eco Newsletter (XE)



My Green Habit:



I love to plant trees because I believe life can start with a small seed and grow into something beautiful and special.



BELIEVE IN TOMORROW

As human beings we have stopped to consider the fact that this Earth was bestowed upon us . She was given to us as a young mother but we have done nothing more than to her . We have stopped caring about the health of the plants and animals of the planet.

We have stopped caring about anything but profit . But why exactly have we done this ? Have we stooped to such a low level of understanding that we still have not realised and recognised the significance of our planet ? I think NO . I believe our lust for money has outshined our morals and ethics . Now we do not feel the need to teach our children the morals and principles of living on this planet instead we teach them the need to purchase goods - mobiles , eight engine cars and so on . We are so caught up in these luxuries that we have forgotten the basis of life itself .

Do you know that thousands of Indian children die every single day because of air pollution and contaminated water. 1000000 sea birds are killed every single year because of plastic contamination. 6400 people living in Mexico die every single year because of air pollution . So even the production that goes into making our luxuries ends up killing our mother . Every production is just another knife wound in her stomach . And unfortunately she is bleeding out.

Can any one of us survive without food, water, shelter? No. And it is mother nature who provides us with everything . So let us reconsider our choices in life and stand to reform our mother Earth.

Why not turning off lights when away and turning off water when brushing? Why not shun and boycott companies that still believe that their profit , their money is more important than humanity's future on this planet .

I believe there will come a day when mankind will give more importance to our mother than their own luxuries and government will enforce legislations and corporations forcing companies to abide by corporate social responsibility and treat our mother the way she deserves to be treated. And lastly I do believe one day we will create zero emission cars , zero emission houses and zero emission factories for our mother.

I BELIEVE IN TOMORROW.

GEETIKA CHANANA (XI - CB)

Co – editor of E- newsletter.

USE CLOTH OR JUTE BAGS



- *100% bio-degradable.*
- *Plastic bag choke landfills.*
- *They are eco-friendly and reusable.*
- *Cheaper and cost effective and so does not tax your pocket.*
- *Can be used for multi-purposes.*

Fatima Khusru
(Co – Editor of Eco –
Newsletter , XI - CB)



- ***Your one step can make a difference. 😊***



- To be a part of the next session's Eco Newsletter Editorial Board, submit interesting **GREEN** notes (artworks, articles, etc.) to sts.newsletter@gmail.com and be a member of the Thinker Tanker Thomasites Team.
- Click on this link to see more exciting videos about our fun filled excursions <http://www.youtube.com/watch?v=CKycCk3HB-s>

Credits:-

Editorial Team:-

- Mahima Sethi (X-B)
- Rebekah Awungshi(X-E)
- Geetika Chanana(XI-CB)
- Fatima Khusru(XI-CB)

With inputs from children of class VI, VII & VIII
and Sakeena and Nandini Rathore of class X-E.

Under the guidance of Mrs. Shweta Frederick.

We bid this school session a

Green
Goodbye