

Cambridge International School

PBL for Class V

Theme: Recycling

General instructions:

- 1. Read the given set of instructions carefully.
- 2. You must file all the given tasks in a school project notebook.
- 3. First page of the project file should have the following details:

Name of the Student:
Class & Section :
Inter-disciplinary Project Theme :



Subject	Remarks to be filled by teacher	Teacher's signature
Task 1		
Task 2		
Task 3		
Task 4		
Task 5		
Task 6		
Task 7		

Recycling is the process of collecting and processing materials that would otherwise be thrown away as trash and turning them into new products. Recycling can benefit your community and the environment.

What exactly is "waste?"

Waste is anything we throw away or get rid of, that doesn't get used.

How can you help?

You can help by learning about and practicing the three R's of waste management: **Reduce, reuse, and recycle!** Practicing all three of these activities every day is not only important for a healthy environment, but it can also be fun too. So let's take a minute right now to learn more about waste and waste management, so you can become a key player in making our world a safe and healthy place.



Compact Fluorescent Lights

Saving energy means less greenhouse gases will get into the air.



Recycle

Your recycling mission is not impossible! In fact, it is very simple: Don't throw away anything that can be recycled!



Reuse

You can "reuse" materials in their original form instead of throwing them away, or pass those materials on to others who could use them too!



Reduce Waste

A key part of waste "reduction" is "conservation"—using natural resources wisely, and using less than usual in order avoid waste.

Task: 1

-) Thinking yourself to be a reporter, who interviewed a sea creature. Write a conversation narrating how the members of its clan suffered due to plastic bags. Also mention a few ways to protect the sea creatures from this grave situation.
-) Make a Jute / Fabric bag and write a slogan on keeping the environment green .

TASK 2:

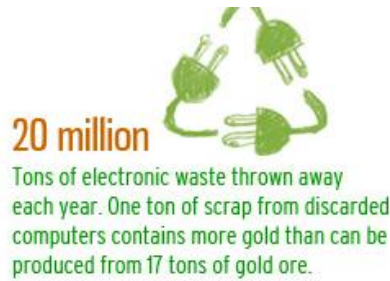


Q.1. *Trash Treatment India Generates*

<i>Items</i>	<i>Plastic</i>	<i>Metal</i>	<i>Paper</i>	<i>Glass</i>	<i>Cardboard</i>
<i>Quantity (in tons)</i>	1500083	2015628	14750057	3125525	4815327

- a) Express the given information in both the system of numeration.(in words)
- b) Arrange the above information in ascending order.
- c) Which items are recycled least and maximum? Find the difference of both.
- d) Add recycling quantity of Glass ,Plastic and Metal.
- e) Round off each figure to nearest 10 ; 100 and 1000
- f) A factory treats 51463 tones e-waste every year. Find the e waste treated in 15 years .

Q 2. Some mathematical facts regarding Recycling are given below :



Collect some more facts .

Task 3

LO: To spread awareness about recycling and make them realise the need for it.

Let's Think: Why recycling?

Let's Create: A handmade sheet from old and used papers.

Things you need:

-) Waste paper (avoid glossy paper)
-) A blender or food processor
-) Mesh or screen
-) Felt (gauze)
-) A rectangular bin to hold water
-) Decoration (children's choice)

Steps to create:

1. Tear the paper into small pieces and put into a blender with warm water. Blend until the mixture becomes a fairly smooth pulp.
2. Assemble your "mold"; attach your screen to your frame using duck tape, staples or any other method that will keep the screen affixed to the frame's edges.
3. Pour the pulp into your bin or pan, and then sink the mold into the water mixture. Pull the mold up, and pulp should cover the screen. At this point, you can add decorations. You can even add seeds to make plantable paper. Be sure to add a little more pulp to cover the decorations so they adhere to the paper.
4. Use a cloth or sponge to press out excess water. Now you need to let the paper dry. You can let it dry on the screen, you can flip the mold over and let your paper dry on another surface, or you can press a cloth into the mold so the paper adheres to it and can dry on the cloth. Any of these options should work. Just be sure to let your paper dry for a day or so.

Task 4 Recycling.....



“Small Hands can Change the WORLD”

What can you do to Help our Planet?

I can Help the Earth by.....

*Create a recycled craft using waste material and also explain how your recycled creation is useful in your everyday life?

Task5:

ਪੁਨਰ ਨਿਰਮਾਨ ਨਾਲ ਸੰਬੰਧਤ ਕਹਾਣੀ ਬਾਰੇ ਪੜ੍ਹ ਜਾਂ ਸੁਣ ਕੇ ਉਸ ਬਾਰੇ ਆਪਣੇ ਵਿਚਾਰ ਪੇਸ਼ ਕਰੋ ਅਤੇ ਪੁਨਰ ਨਿਰਮਾਨ ਕੀਤੀਆਂ ਜਾ ਸਕਣ ਵਾਲੀਆਂ ਕੋਈ ਪੰਜ ਚੀਜ਼ਾਂ ਦੇ ਨਾਂ ਲਿਖੋ।

Task 6:



Make a presentation on “**Recycling**” of the things that you use daily in an innovative and useful manner.

Think about these three ways

Reduce the amount of the Earth's resources that we use.

Reuse Don't just bin it, could someone else make use of it?

Recycle Can the materials be made into something new?

Instructions:

Follow the instructions given below:-

-) Use any presentation software like MS Power point, Libre office impress, open office .org for creating your presentation.
-) Presentation should have 6 slides.
-) 1st slide should contain presentation topic : **“Recycling”**
-) Choose **“Calibri (Headings)” as font face and font size 72** for the first slide.
-) Students can choose any number of objects like bottles, newspapers etc which can be recycled .
-) Information should be created in the form of using bulleted and numbered lists.
-) You can use any font style, font color and appropriate font size.
-) Add appropriate pictures in your slides.
-) You can add different themes and background styles of your choice.
-) Last slide should contain the benefits of recycling.

Mail your presentation to cisfg.ict.17@gmail.com

DO NOT forget to mention your Name, Class and Roll no in the subject of the email.

Task 7 :

1 प्रश्नः आप अपने विद्यालय के पर्यावरण क्लब के मुख्य अध्यक्ष हैं अपने क्लब से संबंधित प्रमुख जानकारी छात्राओं को देते हुए सूचना पत्र (**Notice**) लिखें ।

2 प्रश्नः समाचार पत्र का प्रयोग करते हुए एक पेपर बैग बनाइए और उसको बनाने की विधि भी लिखिए ।

Make SELF ASSESSMENT SHEET (on last page of project)

Note: Fill in the Self Assessment column only by marking your performance on a scale of 1-5 (for each given criterion)

S.No	Criterion for Assessment	Self Assessment	Assessment by Teacher
1	How neatly has the project been presented? Is the sequence meaningful? Are all the pictures and images labeled?		
2	Is the work creative and innovative?		
3	Is the content/information correct and enough?		
4	If the project was well researched with clearly and correctly specified sources?		
5	Is the project being submitted timely? (with each delayed		