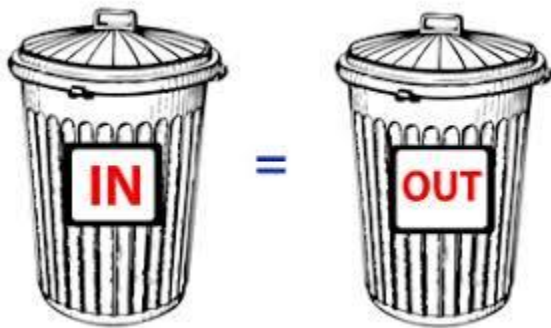




## Topic - Garbage in - Garbage out.



We generate quite a lot of garbage everyday. India alone generates more than 1,00,000 metric tons of solid waste every day, which is higher than many countries' total daily waste generation taken together. "Large metropolis such as Mumbai and Delhi generate around 9,000 metric tons and 8,300 metric tons of waste per day, respectively. India suffers from inefficient and insufficient wasteinfrastructure.

Garbage disposal plays an extremely important role in any country. Cleanliness, health of the masses, conservation and sustainability of resources are the issues it addresses. There is an urgent need to minimize 'garbage in' and concentrate more on three R's (reduce/reuse/recycle) i.e 'garbage out'. This requires new management systems and facilities. It is vital for young learners to understand how garbage is collected from their houses and reused or recycled,,for example, products such as glass, plastic and paper can all be recycled. This exercise will put less pressure on the use of natural resources.

**Present the entire project work on coloured A-4 size sheet and compile it on well designed folder.**

## **ENGLISH**

1. Let us write the journey of 'Garbage' in a bin from home to the landfill. Give it a suitable title, Also show the journey pictorially..
2. Imagine you are the class teacher of class VI. Frame a circular directing students to reduce waste generated in the class and use dust bins to throw waste. ( the best circular will be displayed in your class)
3. For extra reading: David Copperfield by Charles Dickens ( A written quiz on the same will be conducted in the class)

Note: All work should be done on A4 size coloured sheet.

## **हिन्दी**

1. " स्वच्छता अभियान "विषय को आधार बनाकर एक स्लोगन लिखिए | यह स्लोगन कम से कम दो पंक्तियों का होना चाहिए |
2. वृक्ष और प्लास्टिक के बीच 15 -20 वाक्यों में संवाद लिखिए | इस संवाद का आधार धरती की सुरक्षा और हरियाली होना चाहिए |

अथवा

3. " कूड़ेदान का दुख " -इस विषय को आत्मकथा रूप में लिखिए | (100-150 शब्द )  
नोट-सभी कार्य A-4 आकार के पेपर पर करना है |

## **संस्कृत**

1. निम्नलिखित शब्दरूपों को स्मरण करके लिखिए -

- क) राम
- ख) लता
- ग) फल
- घ) अस्मद्
- ङ) युष्मद्
- च) तद् (तीनोंलिंग)

2. पाठ - 1, 2 तथा 3 को पढ़कर, उनमें आए 20 क्रियापदों की सूची बनाईये तथा उनसे संस्कृत में वाक्य निर्माण कीजिए |  
नोट:- यह सभी कार्य उत्तरपुस्तिका में कीजिये |

## **FRENCH**

Search for two popular french poems for children. The poems should not be from your textbook. Illustrate them well on A4 size sheets. Memorize the poem for class recitation after the vacations. Bonne vacances mes enfants.

## **MATHEMATICS ASSIGNMENT**

(TO BE DONE IN A SEPARATE ASSIGNMENT NOTEBOOK)

Do the following questions from **N.C.E.R.T Exemplar**

**MATHEMATICS AND SCIENCE**

(This activity has aspects of science and mathematics)

- I. As conscious citizens, let us examine the waste generated at our homes. Waste generated can be segregated as –Wet waste( kitchen waste) and Dry waste( paper,plastic bottles and containers, can, foil etc.). Let us take 2 buckets of 5 lt. each and label them as Bin A ( wet waste ) and BIN B ( dry waste). Collect your home waste in two separate bins for a week. Weigh the waste in Kg. and record it in the table provided below..

<b>Garbage</b>	<b>Wt. of waste Day 1</b>	<b>Wt. of waste Day 2</b>	<b>Wt. of waste Day 3</b>	<b>Wt. of waste Day 4</b>	<b>Wt. of waste Day 5</b>	<b>Wt. of waste Day 6</b>	<b>Wt. of waste Day 7</b>
<b>Bin A (wet waste)</b>							
<b>Bin B (dry waste)</b>							

Represent the above data in double bar chart and answer the following questions :

1. On which day was maximum waste material generated in Bin A? What do you think could be the reason ?
2. On which day was minimum waste material generated in Bin A ? What do you think could be the reason ?
3. On which day was maximum waste material generated in Bin B ? What do you think could be the reason ?
4. On which day was minimum waste material generated in Bin B ? What do you think could be the reason ?
5. Find the average weight of the waste collected in each bin..
6. Which type of waste was more over the period of one week?
7. What is the total weight of the waste collected in a week?
8. Looking at the data of the dry waste collected, what are your recommendations to reduce it.

Find out approximately how many families live in your society/ block and calculate the total waste generated ( wet and dry ) in a day. For example the total waste collected in a week is 35 Kg. Your block has 100 houses. Total waste collected in one week will be 3500 kg.

II. On any one day go ahead and put the waste collected in two separate pots ( wet waste in one pot and dry in another). Cover the waste with soil. Sprinkle some water.

You need to revisit and dig up the soil from these pots and write your observation in the table below. Remember to wear gloves.

Did the waste

- i) rot completely and had no smell
- ii) rot partially
- iii) rot almost completely but still smelt bad
- iv) shows no change

Record your observations thereafter.

Pot with waste	After 4 days	After 6 days	After 2 weeks	After 4 weeks
Pot A ( wet waste)				
Pot B( dry waste)				

Based on your observations, answer the following questions.

1. What difference do you observe in condition of waste in Pot A and Pot B after four weeks?
2. Do you think it is advisable to segregate waste at home?

Take pictures at each stage of the activity and put them as evidence in your holiday homework file. Get a packet of manure which you produced from the waste.

## **SOCIAL SCIENCE**

**Roll No. 1-17:**Research and find the waste disposal system practiced in Uganda ( Kampala ).

**Roll No. 18-36:** Research and find the waste disposal system practiced in Japan ( Tokyo)

**Roll No. 36onwards:** Research and find the waste disposal system practiced in Singapore

Your research may include the following:

1. How is the waste collected from homes?
2. Is the waste segregated at home level or at a later stage?
3. What is the average waste generated per family per day?
4. How is the waste disposed off?
5. Do they have landfills?
6. Do they waste treatment plants?

Write a report based on your research work. Do include any new methods you may have come across for waste disposal.

Interview a local Scrap dealer based on the Questionnaire given in the end.

## **COMPUTER**

As per your roll number, make a presentation :

Roll No 1 to 10	3 R's of waste management
Roll No 11 to 20	Clean Delhi Green Delhi
Roll No 21 to 30	Vermicomposting
Roll No 31 to 40	Waste management
Roll No 41 to 50	Landfills

The presentation should contain at least 8 slides. Add pictures, interesting quotes, Hyperlinks, slide transitions, custom animations and sound effects in it. Email your presentation with your Name, class, section to school email -id: skool.saket.del@apj.edu

### **APEEJAY SCHOOL SAKET SURVEY QUESTIONNAIRE**

1. NAME OF THE RESPONDENT: \_\_\_\_\_
2. AGE: \_\_\_\_\_
3. LOCALITY/ AREA: \_\_\_\_\_
4. What is the total amount of solid waste collected by you every day?
5. On an average what percentage of the following waste is collected ?

a. plastic \_\_\_\_\_% b. paper\_\_\_\_\_ % c. glass\_\_\_\_\_ % d. metal\_\_\_\_\_ .%e.others-----

6 .How do you separate the waste everyday?

7. Have you employed helpers? \_\_\_\_\_ If yes , how many.-----

7. Do you go door to door in different colonies to collect scrap?

8. If yes, how often do you visit a colony

a) Once a day.....

b) Once in a week.....

c) Once a month,.....

If no, how do you collect different types of waste/ scrap? -----

9. How much do you pay for buying various items( inRs.) ?

a) plastic\_\_\_\_\_ b) paper\_\_\_\_\_ c) glass\_\_\_\_\_ d) metal\_\_\_\_\_

10. What is the total amount waste collected every ( in Kg ) day?

11. What do you do with the scrap collected?-----

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12. What is the approximate income you are able to earn per month?

13.Are you happy with your work ?-Give reasons for your answer

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12. What suggestions would you like to give for better waste management?

As an evidence click a picture with the scrap dealer showing his storage facility.