

# ECO-CLUB MANUAL

## (FOR ECO-CLUB INCHARGES)

2012



स्वाध्यायान्मा प्रमदः

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## CHAPTER

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## Best Out Of Waste

Eco cubs play an important role in creating environmental awareness amongst the future generation. Eco clubs in schools are the means by which students can be empowered to participate and take up meaningful environmental activities and projects.

Many programmes and projects are formed and combined together to make a frame work of Eco club. Preparation of Eco-friendly product out of waste material forms an important part of Eco club. As it enables us to make the useless things more useful.

### **PREPARATION OF ECO-FRIENDLY MATERIAL USING WASTE MATERIAL**

Recycling and reusing the valuable waste material can result in development of fantastic and usable products. Rather than putting these waste materials into the landfills, various innovative and creative ideas can be put together to being something new and useful.

### **OBJECTIVES**

Before, we start with any program, certain aims/ objective need to be formulated so as to conduct successful programmes. Some of such objectives are listed below.

- To develop the ability to think and organize the thinking to create something useful.
- To indulge the students into a extracurricular activity with exclusive tool i.e. waste material.
- To explore the environmental concepts and actions which are beyond the curriculum & syllabus.
- To make our vision and outlook broader about the nature & society.
- To control the harmful effects of waste on our environment.

## HOW TO ACHIEVE THE OBJECTIVES

In order to achieve the objectives it is necessary to formulate certain programmes and follow-up has to be done efficiently.

- Create awareness among students to use the waste products in best possible manner.
- Various things can be put to different uses.
- More of awareness and efforts combined together to make variety of products.

Advantages /uses:-

- Helps in generating the awareness and building the attitude to take up activities in real world.
- Controlling the amount of waste sent into landfills.
- Enables the students to give this creativity & innovation a shape.
- Reduces the destruction of forest & other eco – system.
- Helping the society and nation in conserving our nature.
- Keeping our planet a much safer place for coming generation.
- Developing the sense of using ecosystem.

## VARIOUS WASTE MATERIAL USED FOR MAKING USEFUL PRODUCTS

- Old Newspaper
- Notebooks and chart paper
- Cardboard and book cover
- Paper plates, spoons and disposable glass
- Pens and refills
- Old CDs and DVDs
- Toothpicks and matchsticks
- Dry stem of plants and trees
- Mango seeds
- Seeds of various fruits
- Old curtains & table covers
- Used foil paper
- Jute rope
- Plastic bottles
- Strings and sequences, etc.

Along with these a large number of products are also being used which are somehow felt to be useless.

## LIST OF ITEMS THAT CAN BE MADE USING WASTE

A large number of products can be made using waste products. Some of such products and items are listed below.

1. Paper bags
2. Puppets
  - Envelope puppets
  - Finger puppets
  - Stick puppets
3. Puzzles and games
4. Mat from cloth
5. Mat from paper
6. Paper Mache

- Jewelry
  - Toys
  - Puppets
  - Wall decorations
  - Decorative items, etc.
7. Foil paper art
  8. Wall decoration using
    - Matchsticks
    - Toothpicks, string & sequences
    - Paper and charts, etc
  9. Jewelry using
    - Paper
    - Paper mache
    - Old beads and string, etc.
  10. Paper Glass toys
  11. Flower vase using
    - Jute rope
    - Old plastic Bottles etc.
  12. Magic board
  13. Kandeel using
    - Charts
    - Card Boards
    - Sequences & strings etc.
  14. Animals using
    - Mango seeds
    - Chikoo seeds
    - Walnut shells
    - Pistachio shells etc
  15. Face masks using –
    - Paper mache
    - Charts
    - Paper plates etc
  16. Wall Hanging using
    - newspaper
    - Jute Rope
    - card board
  17. Folders and files using
    - Old cloth
    - Card boards, etc.
  18. Pen stands using
    - CDs & DVDs
  19. Flowers using
    - Cloth
    - Sponge
    - Tissue paper
    - Toffee wrappers, etc.
  20. Stuff toys using

- Cloth
- Cotton
- Sponge, etc.

## **CLASSIFICATION OF PRODUCTS**

<b>CLASS</b>	<b>PRODUCTS MADE OUT OF WASTE</b>
1 – 2	Wall decorations using sequence, strings, pens, wools, etc Paper mache toys, etc.
3 – 5	Paper mache toys Flower making Wall hangings Face masks Foil paper art, etc.
6 – 8	Mat using newspaper Mat using cloth Jewelry with paper mache Paper bags, etc.
9 – 10	Puzzles & Games Puppets Paper glass/cup toys Paper plate craft Files and folders Stuff toys, etc.
11 - 12	Paper coiling Jute work Plastic bottle craft Paper mache Wall decoration All of above From (1 to 10)

## **OUTCOME OF THE ACTIVITIES TAKEN UP**

- Optimum use of waste material.
- Minimum harm in atmosphere.
- Reduction in cutting of trees for paper.
- Development of innovation & creativity.
- Development of aesthetic appreciation.
- Clean & beautified surroundings.
- Development of ability to create, develop and present in form of an object.
- Protection of nature and atmosphere.
- Lost cost material can be made use waste.

## SOME OF THE IMAGE OF PRODUCTS MADE OUT OF WASTE



**Envelope puppet** (Material used: Chart paper, Colours, Fevicol, Book cover, etc.)



**Paper bag** (Material used: Old calendars, Newspaper, Rough cloth, Strings, Fevicol, etc.)



**Wall decoration** (Material used: Old bangles, Pens, Refills, Strings, Sand, Ribbon, etc.)



**Wall decoration** (Material used: Sequences, Shells, Strings, Mirrors, etc.)





**Flower** (Material used: Ice cream sticks, cotton, buttons, paper, paper plates, etc.)



**Paper Cup Baby** (Material used: Glass/cup, Ball, Colours, Paper, Buttons, etc.)



**Stuff toys** (Material used: Rough/old cloth, cotton, needle, string, etc.)



**Foil paper craft** (Material used: Foil paper, chart, paper, glue, etc.)



**Craft using seeds** (Material used: Mango seed, Bamboo sticks, Dried plants, etc.)



**Flower** (Material used: Spring, Wool, Bamboo, Stick, paper (green) etc.)



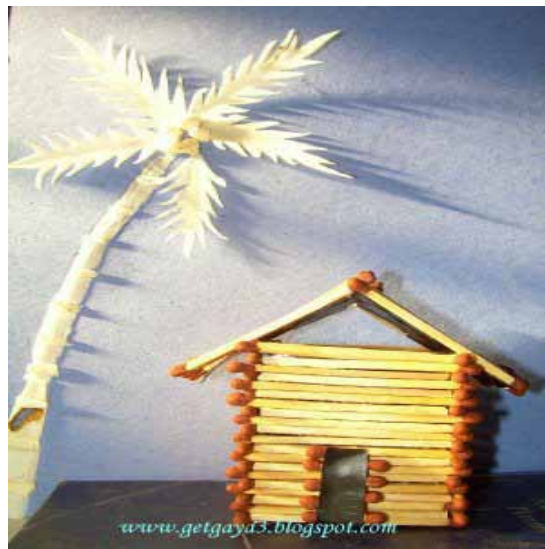
**Dry stem plants** (Material used: Dry stem, sponge, toffee wrappers, string, plastic bottle or glass bottle, etc.)



**Wall hanging** (Material used: Tooth picks, chart or board, sequences, wool or rope or string, etc.)



**Rangoli** (Material used: Chart paper, board, sequences, ribbons, match sticks, strings, etc.)



**Wall decoration** (Material used: Chart paper or board, thermocol plate/glass, match sticks, etc.)



**Wall decoration** (Material used: Board, match sticks, fevicol etc.)

## Paper Mache Products



**Toys** (Material used: Paper mache, colours, etc.)



**Bowl** (Material used: Paper mache, colours, etc.)



Making paper mache toys





**Wall decoration** (Material used: Board, paper mache, etc.)



**Turtle** (Material used: Paper mache, colours, etc.)



**Paper carnations** (Material used: Tissue paper, sticks, fevicol, green paper or tape, strings etc.)



**Bottle and rope art** (Material used: Old plastic bottles, jute rope, fevicol, etc.)



**Ball using circles** (Material used: Chart paper, fevicol, etc.)



**Wall hanging** (Material used: Chart paper, fevicol, scissors, etc.)