

ASN SENIOR SECONDARY SCHOOL

MAYUR VIHAR-1

SCIENCE PROJECT HOLIDAY HOMEWORK

CLASS 10 D

Lets work together in groups and make some working model which help India to be Swacch Bharat soon. All students have to prepare **working model** on the following topic which is assigned to Students in a group. Also prepare chart, PPTX and project file which illustrate function, applications, working and construction of your model.

Note: -

- Students are divided into groups to work on the assigned projects.
- Use of biodegradable material should be there.

TOPICS

1. Construction and Demolition material can easily and safely be reused. Investigate and make a model on it. (Eg: Building roads and other infrastructure.)
2. “ mashable.com” Visit the website, get ideas about urban garden on wheels and prepare a model (Car Oasis).
3. Water conservation in ancient times helped civilizations to survive. They used many ways to conserve water and the methods were multipurpose. Investigate, collect information and prepare a model on:-
 - (i)Ahar pynee
 - (ii)Panam Keni
 - (iii)Step wells in Gujurat (Adalaj)
 - (iv)Bhandana Phad
 - (v)Zing
 - (vi) Zabo
 - (vii)Jackwells etc

List them to river rejuvenation of that particular area.

4. Reed bed construction helps to conserve water. Find out all about it and present in the form of model .
5. Geotextile is used for:
 1. Water percolation and retention.
 2. Preventing land slides.
 3. As storm barriers.
 4. Erosion control.
 5. Used as fossil protectors.
 6. As slope stabilizers.

Prepare a model on each use.(Our school ground is an example)

6. Complete project must be presented through **Sway presentation** by creating your login on <https://sway.com/> as discussed in the class.