

BVRIT HYDERABAD College of Engineering for Women  
Department of Basic Science and Humanities  
Name of the Activity: Model Making

Subject Name: Engineering Graphics  
Faculty Name: Mr. M Gopikrishna  
Topic: Making of Regular Solids by using planes  
Date of Conduction: 29th September 2018  
Class / Year / Semester: ECE-B / 2018-19 / I SEM

Brief Write-up

As with plane shapes, students will learn to describe solid shapes in terms of their attributes, such as their roundness or flatness, their ability to roll or slide, and the number of sides or corners. They will also come to see how the plane shapes comprise the faces of solid shapes. Tracing around the face of solids will help a student to understand that a cube is different from a rectangular prism because all six of its faces are squares. This will enrich the ways in which they can describe and compare solids. For example, a student might see that although both a cylinder and a sphere can roll, a sphere has no faces and cannot slide. A cylinder, on the other hand, has two circular faces, so it can both roll and slide.

Once student have the ability to recognize and describe the attributes that distinguish plane and solid shapes, such as those that make a triangle different from a square or a cylinder different from a cone, they can begin to create and continue patterns. When student visualise or generate solid models

Photographs:

