

The Public Demands Better Housing!



Developers across the nation are looking for a better, more efficient and environmentally friendly way to build houses. Your task is to design and build a prototype of a house that is nice to live in but still affordable. Your design must take into consideration environmental factors such as house size, efficient use of materials, possible heating, electrical and water costs. You will have a limited amount of time and materials to complete the project. You will be asked to work in groups of three and test your house at the end of the day. Be sure to look over the parameters carefully. Good luck and be safe.

Situation

Your group has been hired by Kuzco Developers to submit a design and create a prototype for a new and improved house. Are you up to the challenge?

Materials

ruler
pencil
glue
glue gun
basswood
masking tape
foam board
cutting devices



PARAMETERS

- the house must have four exterior walls, a floor and a roof
- the house must include one operable opening
- the roof and wall must withstand a weight of 10 pounds (snow load)
- the design must be to scale with actual dimensions (30mm=1m)
- the house must have a base measuring no larger than 45cm cm by 30 cm..
- the house must be able to withstand the shaking forces of an earthquake
- the house must be completed within a given time limit