

LEGO® Design



1. Know the following terms:
 - a. Element
 - b. Stud
 - c. Brick
 - d. Plate
 - e. Base Plate
 - f. Tile
 - g. Slope
 - h. Inverted Slope
 - i. Hinge
 - j. Technics Components
 - k. Power Components
 - l. Minifigure
2. Build and/or find examples of following types of scale models:
 - a. Micro Scale (a range of scales where the size of a person is smaller than a minifigure)
 - b. Minifigure Scale (builds proportioned to the size of a standard minifigure)
 - c. 1-to-1 Scale (actual size)
3. Choose one of the following:
 - a. Build a 1-to-1 scale model of something from nature, your home, church, or school. Then share your model with your group or club.
 - b. Build a scale model of your house, apartment, or other building in your community. Be sure to include large furniture items like bed, stove, refrigerator, sofa, & dresser, etc. Then share your model with your group or club.
4. Build a scene or an item from the Bible using LEGO in one of the scale sizes from Requirement #2.
5. From your imagination, create your own design in 2 of the 5 categories below and share both designs with your group or club.
 - a. Car, truck, or other land vehicle.
 - b. Plane, helicopter, or other aircraft.
 - c. Ship, submarine, or other watercraft.
 - d. Animal or plant based on a real species.
 - e. Machine, appliance or robot (without power functions)
6. Choose one of the following:
 - a. Use LEGO as a visual aid in a Children's Story for youth ages 2-9 at church or Sabbath School or equivalent group setting.
 - b. Use LEGO as part of a school project.
7. Write a 250 word paragraph or do a 3 - 5 minute presentation to your group or club and tell how you can use LEGO® to witness to those that don't know about God.

Skill Level 2

New in 2014

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