

LEGO Design



Category: Arts, Crafts, and Hobbies
Skill Level: 1

Links to use for the Honor

<https://www.youtube.com/watch?v=KrcfuQfwoXM>

<http://www.thebrickbible.com/>

<http://www.brickshelf.com/>

<https://www.bricklink.com/v2/main.page>

<https://www.ldraw.org/>

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 Brick

k. Power Functions

l. Minifigure (4 elements)

1

2

3

4

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)

See example below



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, using at least 10 pieces, 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 visual aid in a children's story for youth ages 2-9 at church, Sabbath School, or equivalent group setting.
- b. Use LEGO as part of a school project.

7. Write a 250-word paragraph, or in a 3-5 minute presentation to your group or club, tell how you can use LEGO to witness to those that don't know about God.

Stop Motion Animation using LEGO can be a great use to show events that happened in the Bible in a cool, fun way.