



Pathfinder's Name

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. Technic Brick

k. Power Functions

l. Mini figure

m. Studs Not On Top

n. My Own Creation

o. Axles and Pins

2. Build and/or find examples of following types of scale models:

a. Micro scale (1 city block equals 32 studs)

Date completed _____

b. Minifigure scale (6 feet or 2 meters, equals roughly 6 studs)

Date completed _____

c. Ultimate collector scale (larger than Minifigure Scale and smaller than 1 to 1 scale)

Date completed _____

d. 1 to 1 scale (actual size)

Date completed _____

- 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 bedroom, house, apartment, or other building in your community. Be sure to include large furniture items like beds, stove, refrigerator, sofa, and dressers, etc. Share your model with your group or club.

Date completed _____

- 4. Choose one of the following:
 - a. Use LEGO[®] as visual aid in a Children's Story for youth ages 2-9 at church or Sabbath School.
 - b. Use LEGO[®] as part of a school project.

Date completed _____

- 5. Build a scene or an item from the Bible using LEGO[®] in one of the scale sizes from Requirement #2.

Date completed _____

- 6. 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. Brick built animal or plant based on a real species using at least 10 pieces.
 - e. Machine, appliance or robot (without power functions)

Date completed _____

- 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.

Date completed _____