



\_\_\_\_\_  
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. 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)**

Date completed \_\_\_\_\_

- b. Minifigure Scale (builds proportioned to the size of a standard minifigure)**

Date completed \_\_\_\_\_

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

Date completed \_\_\_\_\_

- 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)

Date completed \_\_\_\_\_

- 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

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 \_\_\_\_\_