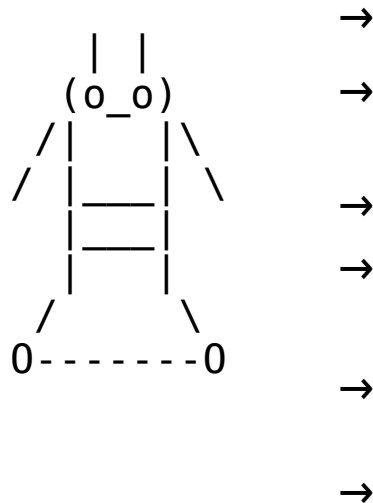## Instructions

Help your robot get ready! Complete the activities below to learn about robot parts and the patterns they use in their code.

Part 1: Label the Robot

Use the words from the Word Bank to label the parts of the robot. Write the correct word in each empty box.

Word Bank

Head
Arm
Leg
Antenna
Body
Wheel

```
         | |                →
        (o_o)               →
       /|   |\
      / |___| \             →
        |___|
        |   |               →
       /     \
      0-------0
                            →


                            →
```

Part 2: Robot Coding Patterns

Robots follow patterns in their code. Figure out the pattern in each line and draw what comes next.

1.   →   ↑   →   ↑

2. ☐ ☐ ○ ☐ ☐ ○

3. ↓ ↓ → ↓ ↓ →

Part 3: Build a Robot with Code!

Read the code below. Use the code to draw your very own robot in the box!

Robot Code

Head: 1 Square

Body: 1 Rectangle

Arms: 2 Circles

Legs: 2 Triangles

Draw your robot here!

Answer Key

Part 1: Label the Robot

From top to bottom, the labels should be:

1. Antenna
2. Head
3. Arm
4. Body
5. Leg
6. Wheel

Part 2: Robot Coding Patterns

1. → ↑ → ↑ → ↑

2. □ □ ○ □ □ ○ □ □ ○

3. ↓ ↓ → ↓ ↓ → ↓ ↓ →

Part 3: Build a Robot with Code!

Answers will vary. The student's drawing should contain the following parts:

- A square for the head.
- A rectangle for the body.
- Two circles for the arms.
- Two triangles for the legs.