

NAME: \_\_\_\_\_

# SEESAW WITH OZOBOT

## STUDENT PAGE



### DIRECTIONS:

1. Place the paper strip with the black line and red blocks facing up on the seesaw.
2. Place a small object on the end of the seesaw. Draw the object in the box labeled "OBJECT" below.
3. Place Ozobot on the same side facing the fulcrum.
4. Run the program <https://ozo.bot/b/nmztqq>  
Ozobot will stop at each colored block along the line.

5. Draw how the seesaw looks at each stop. Place your hand behind the bot to make it go again.
6. Repeat until Ozobot goes all the way across the seesaw.
7. Write your conclusion. Does the object weigh more than, less than, or equal to Ozobot? How do you know?
8. Repeat with another object.

| OBJECT | STOP 1 | STOP 2 | STOP 3 | STOP 4 | STOP 5 |
|--------|--------|--------|--------|--------|--------|
|        |        |        |        |        |        |

Does the object weigh more than, less than, or equal to Ozobot? How do you know? Circle one:    **more**    **less**    **equal to**

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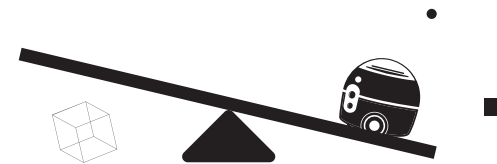
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## TEACHER GUIDE



**TEACHER TIP:** If the front of the bot rises from the seesaw, it won't see the red blocks on the line that tell it to stop. Move the fulcrum to the middle hole to decrease the angle of the seesaw.

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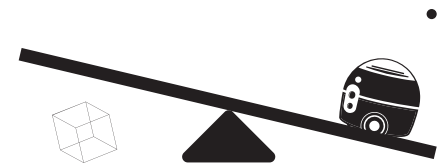
*I know that the block weighs less than the Ozobot because when they are on opposite ends of the seesaw, the seesaw tipped toward the Ozobot. That means the Ozobot is exerting a greater force on the seesaw.*

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