

Blowing in the Wind

Group Members: _____



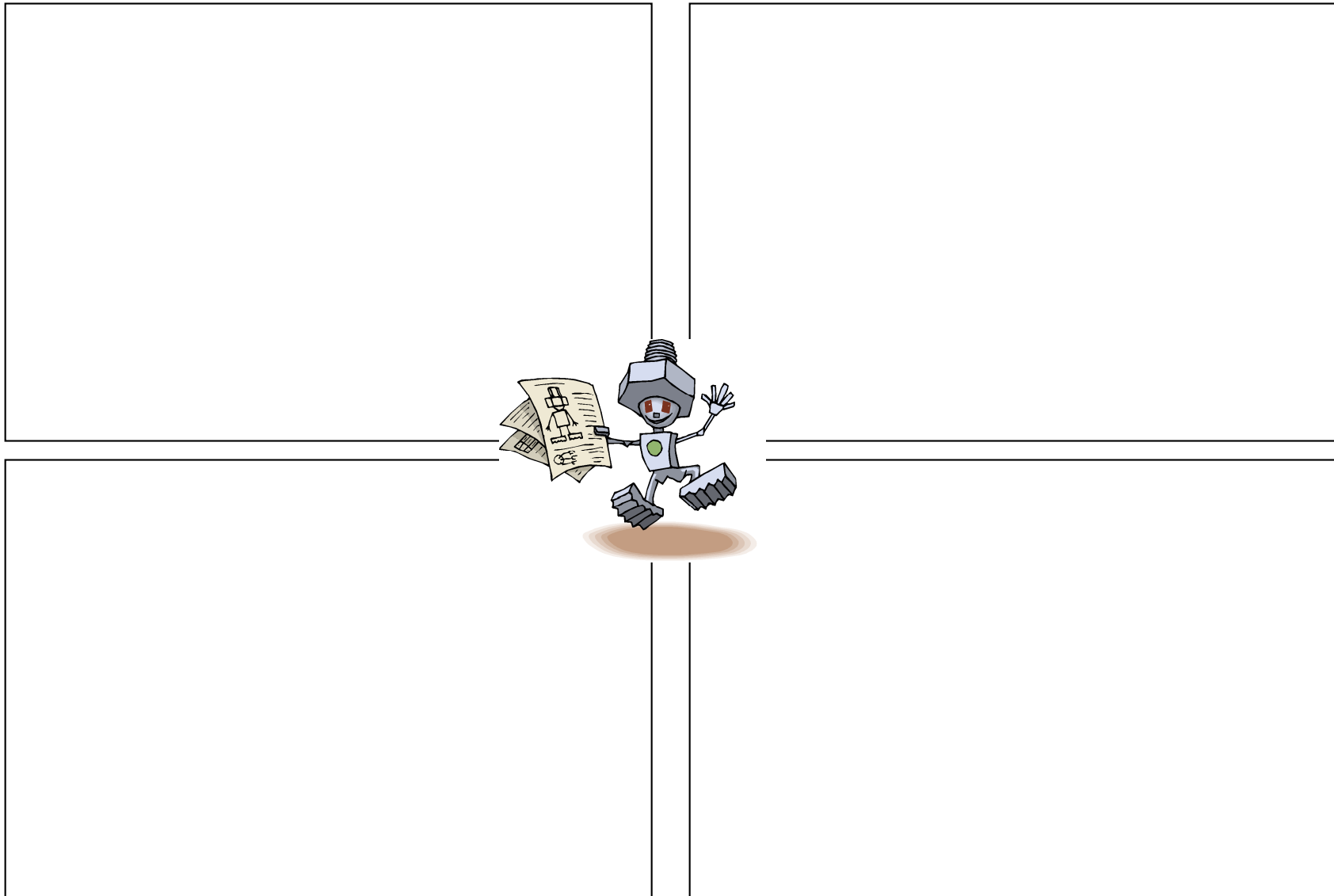
1. What is the problem?

State the problem in your own words.



2. Brainstorm solutions.

Sketch or describe some possible solutions.



The form consists of four large, empty rectangular boxes arranged in a 2x2 grid. In the center of the grid, a cartoon robot character is depicted. The robot has a grey, hexagonal head with a small antenna on top, a green circular sensor on its chest, and a body made of various mechanical parts. It is holding a yellow blueprint with technical drawings of a robot and gears. The robot is standing on a small, brown, circular shadow on the ground.

3. Create the solution you think is best.

4. Test your solution.

Is your windsock weather proof? YES NO

Can your windsock move freely around a pole? YES NO

Can it stand up to winds of 10 mph? YES NO

Can it correctly identify wind direction when tested on five different days? YES NO

Did your windsock maintain an attractive appearance for more than one week when left outside? YES NO



5. Evaluate your solution.

Was it the best solution? Would one of your other ideas have been better? Why or why not?

What would you have done differently? Can you add to it to make it better? What would you add to it?
