**Task 3**

*Testing the capabilities of your robot*

Syllabus Outcomes: MA4-1WM, MA4-2WM, MA4-3WM

Instructions:

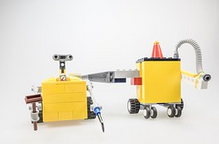
1. As a class test the maximum weight that can be lifted by the mobility chair before it fails. Record your findings below.
2. Identify a function of your robot which is measurable.

|  |  |
| --- | --- |
| **e.g**: | * If your robot lifts a weight, you can measure its lifting capabilities. * If it pulls a load, you can test what maximum load it can pull. |

1. Design a test that will test the abilities of your robot. Outline the details of your experiment, including:

AIM, HYPOTHESIS, SAFETY, PROCEDURE, RESULTS, CONCLUSION,

DISCUSSION



*Success Checklist:*

|  |  |  |
| --- | --- | --- |
| *1)* | *As a class, we tested the maximum weight of the mobility chair.* |  |
| *2)* | *We identified the measurable function of our robot.* |  |
| *3)* | *We conducted an experiment to test this function.* |  |
| *4)* | *We have written our experiment using the proper procedure, including the conclusion of our experiment.* |  |