**Express Challenge: Helper-Bot**

This is an express challenge! This means that you will have less time than usual to complete it.

Your task is to design, build, and program a robot (or robot attachment) that can help a person to perform a task that they would do in everyday life. Your robot must involve at least one sensor and at least one motor. The sensor and motor must be directly involved in the task.

Your express challenge will be graded as follows:

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| Criteria | Points Possible | Points Earned |
| **Identify a Problem:** Clearly identify a problem for the robot to solve (or a task for the robot to perform). | 2 |  |
| **Planning and Design:** Draw an initial sketch of the robot design. Your robot design must include at least one motor and at least one sensor. | 2 |  |
| **Redesign:** Describe at least two problems you encountered and how you revised your original plan to solve them. | 2 |  |
| **Demonstration:** Successfully demonstrate that your robot is programmed to solve the problem (or perform the task) that you identified previously. | 2 |  |
| **Meets Requirements:** Robot includes and directly uses at least one sensor and at least one motor. | 2 |  |
| **TOTAL POINTS** | 10 |  |