Activity 1 – Building a Basic Robot

Building a Basic Robot Data Sheet

1. How do a continuous rotation servo and standard servo differ?

2. How is the direction of travel controlled in this robot?

3. What difficulties did you have in building this robot?

4. How did you overcome any difficulties you had in building this robot? Give at least one example.

5. Explain how the 90-degree connectors are held in place by the wheel and axle assembly.

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6. Why is it important to organize the PRIME parts in the storage container?

7. Which steering method worked best for you? Explain.

8. Describe any difficulties you had with driving the robot and how you overcame them. Give at least one example.

9. Describe any changes you might make to improve the performance of the robot.

10. What changes could be made to make the robot turn in a smaller radius?

11. List any career connections you could make with the skills and concepts learned in this activity.

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