

# Engineering Design Challenge – Holiday Table Helper



## Engineering Design Process:

- Identify or Define the Problem
- Generate Ideas
- Identify best idea based on constraints
- Design and Build a Prototype
- Evaluating Tests
- Iterating and Redesigning
- Explaining Results

**Need Inspiration?** Consider using the [Automate it!](#) lesson as a base for your model. Alternatively, explore the [RoboChef](#) activity to invent other ways to create a robot that could help in the kitchen.

**Extend** - Can you add more success criteria to make this design task even more challenging?

**Use each step of the Engineering Design Process to complete this challenge.**

**Challenge** –Many families get together to share a meal during the holiday season. Can you design a Holiday Table Helper to pass food or utensils from one side of the table to the other? Use the Engineering Design Process to create a robot to make mealtime easier. Then code, test, and iterate on your design! In this challenge, your success criteria is that the robot can successfully pass an item from one side of your table to the other.

