

Grade 4



The following activity is intended for students to raise their level of interest in robotics with their imagination. This activity does not focus on facts, but rather gives students the opportunity to be creative and share with us their robots when we visit your school.

Who knows this activity may spark some future engineers!

# Design a **ROBOT** for the Show!

**Robocation** will be visiting your school soon and demonstrating several neat robots that walk, talk and even do Math!

Before you see *our* robots, we want you to design your own and bring it to the show!

Imagine you are a **roboticist** (*someone who designs, builds, and programs robots*) and Robocation needs creative ideas for a new robot to include in our show. Can you design a cool robot for us?

**Materials:** Separate piece of paper, drawing/colouring materials

## **Brainstorm:**

- Identify what tasks your robot will perform in the show
- What features your robot will have to perform these tasks?
- Will it educate, entertain or both?
- Include design features for your robot - size, shape, weight, type of material it is made of
- Think of our five senses and include any of them into your robot

Use your notes to design your robot and then write a story about your Robocation robot explaining what it will do and how it would be a great addition to our show.

The tasks you choose for your robot can be very different from robots in the real world. People have been writing about and drawing robots before they even existed! Who has more imagination - the people who created the idea of robots or the people who actually created the robots?

So use your imagination to create a robot and maybe one day your robot will become a reality!