

Karel Project #24

REAL ROBOTS

Karel is a **robot**. There are many **robots in the modern world** to provide us with **inspiration**.

Before You Start

Go to the **Creative Suite**, open a new Karel project, and save it in the folder **course-karel-projects/** as **real-robots**.

Goal: Use a Real Robot for Inspiration

To create a **maze that tells the story of a robot**, you will:

1. Research a **robot in the real world**.
2. Make a maze to **simulate the real robot's job**.

Robots Do Work

Did you know that the word “robot” was invented in 1921 by a Czech playwright named Karel Čapek? In fact, the word “robot” is derived from an even older word, “robota”. Robota means “servitude” or “forced work”. This may seem a bit grim, but many robots do jobs that humans are incapable of doing.

For an example, this is the **glass pyramid** that stands outside of the Musée de Louvre in Paris, France.



That's a lot of glass!

How would you go about **cleaning these windows**? Would you rappel off of a helicopter? Would you use a really long stick? These are not very practical solutions.

But a robot can **do the job perfectly!** The robot that cleans this pyramid has **suction cups** on its legs that allow it to scale the surface of the pyramid effortlessly while still remaining light enough to **not crack the glass**.

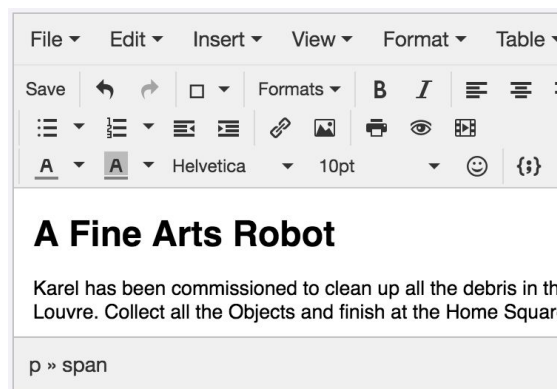
Step 1: Research a Robot

Research a robot in the real world and create a maze to tell the story of this robot.

There are cleaning robots like the one used on the pyramid at the Musée de Louvre, but there are also bomb disposal robots, manufacturing robots, dancing robots, back-massaging robots and many more.

Step 2: Create a Maze To Tell the Robot's Story

A well written description for your maze will be very helpful for telling your story.



Experiment with different Summaries and you may find that you can make a very simple maze that still tells the robot's story.



Project Checklist

Your Project will be finished when:

1. You have saved the project in the folder **course-karel-projects/**.
2. You have researched a **real-world robot**.
3. You have made a maze to **tell that robot's story**.