



Introduction

Time travel is theoretically possible, scientists have said. One of the researchers, Ben Tippett, said: "People think of time travel as something fictional and we tend to think it's not possible because we don't actually do it. But, mathematically, it is possible."

<https://www.independent.co.uk/news/time-travel-possible-time-machine-dr-who-tardis-spacetime-university-of-british-columbia-university-a7711411.html>

Scientists have travelled forward in time to the year 2028 to investigate the changes in technology that have occurred in the last ten years. In particular, they are investigating the advances that have been made in the agriculture industry. In their travels they have discovered robot powered machinery that can assist with garden maintenance.

Challenge

To design and build the prototype for a simple garden care machine that can be powered by Sphero. The machine should streamline garden care by carrying out an autonomous task such as planting or irrigating as independently as possible.

Presentation

During the presentation your team must:

- Demonstrate the machine and explain how it will streamline garden maintenance.
- Demonstrate the coding component of the product and explain how the machine can carry out its task independently.
- Explain the reasons why this particular machine was chosen and why the selected materials were used.
- Explain, including three reasons, the impacts that a trip to the future would have on technology and scientific advancements today.

Before you commence your presentation you must present the following:

- A copy of your script
- A sketch of your machine demonstrating the design process.