Lego Mindstorm: Lesson 1
HELLO!

We are programmers

We are here to teach you about computer science
Let’s start with a question

Who has played with Legos® before?
We brought **robots**!

We will be working with Lego® Mindstorm robots!
Here are some cool robots!
Computer Science

A sequence of instructions that a computer can interpret and execute.
Lego® Mindstorms

This is what we will be using to make the robots move and interact!
Let's do a test run!

1. Turn on the robot by holding the center button.
2. Go to Open Roberta and click “Start”.
3. Let’s make the robot say hello!
**We can tell the robot what to do using computer science**

<table>
<thead>
<tr>
<th>What is computer science?</th>
<th>Hardware v.s. software?</th>
<th>Forward and Backward</th>
</tr>
</thead>
<tbody>
<tr>
<td>Computer scientists write code to give instructions to computers.</td>
<td>Our hardware (the computer) is our robot! Our software (downloaded on the computer) is Open Roberta, where we write code!</td>
<td>Let’s tell the robot to move forward for 10 cm and backward for 10 cm.</td>
</tr>
</tbody>
</table>
Let's do it!

Any questions?

Rules:

- Stuck? Ask a mentor!
- Work together!
- Take care of the robots.
Credits

Special thanks to all the people who made and released these awesome resources for free:

✗ Presentation template by SlidesCarnival
✗ Photographs by Unsplash