

# LESSON PLANS

<b>Bilingual robots</b>	
<b>Lesson plan to be implemented in <b>Robotics</b> class</b>	
<b>Aim</b>	The main goal of this lesson plan is to introduce children to robotics.
<b>Students age targeted</b>	10 – 13 years old
<b>Estimated time</b>	Two sessions (one hour each, so two hours in total)
<b>Topics covered</b>	<ul style="list-style-type: none"> <li>● coding</li> <li>● logic</li> </ul>
<b>Facility/ Equipment</b>	<ul style="list-style-type: none"> <li>● Classroom</li> <li>● Internet access</li> <li>● Projector</li> <li>● White board</li>   <li>● Lego robot</li>   <li>● Tablet</li>   <li>● Bilingual educators in oral language and sign languages</li> </ul>
<b>Tools/ Materials</b>	<ul style="list-style-type: none"> <li>● Lego robot</li> <li>● Software that connects the robot with the commands</li> <li>● Tablet</li> </ul>
<b>Development of activities</b>	<p><b>All the activities are developed in oral languages and sign languages. This lesson plan is thought to be accessible for all, in particular for deaf children. This activity is not only funny, but it's rich in logical and mathematical concepts really visual and adapt for everybody.</b></p> <p><b>Activity 1:</b> introduction to robotics – the robot, the software that is needed in order to control the robot. (20 minutes)</p>

**Activity 2:** show of how the robot works and how it has to be controlled (which are the commands on the tablet). (20 minutes)

**Activity 3:** children put in practice what they saw before with the help of the educator. (20 minutes)

**Activity 4:** during the second session, they train a little bit and discover new commands, and also discover that they can change the shape of the robot (it can be a car or a cat and can do different things).





## HANDOUT 1: title



## HANDOUT 2: title