



### Lesson Plan

**Teachers Team Work** • Zoltan (Hung.), José (Port.), Doina (Rom.), Serkan (Turk.), Balazs (UK), Michela (Italy)

To build this plan teachers use e-mail, and twinspace.

<b>Topics</b> • Team work, collaboration, read and follow instructions, problem solving	<b>Age</b> • 9 -11	<b>STEM topics</b> • inter-disciplinary: robotics, engineering, ICT
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**What students will learn** • the basic components of a WeDo set; the basic components of WeDo software; how movement is transmitted and how energy is transferred; to use the tilting and the movement sensor; to programme the model to respond to certain commands..

<b>Materials</b> •LEGO WeDo kit, tablet, computer	<b>Estimated duration</b> • 120 min.
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### Lesson

- Students are divided in pairs and receive the WeDo sets.
- Interactive discussions: what are robots, what are sensors, where are they used.
- The teacher makes a short presentation of a WeDo set.
- The teacher makes a general presentation of WeDo software.
- Children build the LION model
- The teacher explains how the model works
- Each pair build the model and then add the movement sensor.
- Students programme the model to react when an object is near the sensor.

### Images•



**Evaluation** • The teacher can use an observation grid to assess the interest, participation and commitment of the students during the tasks.

### Observations •