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| **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. |
| **Topics** • Team work, colaboration, read and follow instrutions, problem solving | **Age** • 9 -11 | **STEM topics** • inter-disciplinary: robotics, engineering, ICT |
| **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 change its speed and to respond to interfering objects. |
| **Materials** •LEGO WeDo kit, tablet, computer | **Estimated duration** • 120 min. |
| **Lesson*** Students are divided in pairs and receive the WeDo sets.
* Interactive discussions: what is rotation, what is speed.
* The teacher makes a short presentation of how to use transmission belts and wheels.
* The teacher makes a general presentation of WeDo software.
* Children build the DANCING BIRDS model and the CROCODILE model
* The teacher explains how the models work
* Each pair build the model and then add the movement sensor or the tilting sensor
* Students programme the model to change its speed.
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| **Images**• Imagini pentru WeDo sets birdsImagini pentru WeDo sets crocodiles images |
| **Evaluation** • At the end of the lesson the teacher can apply a questionnaire to assess the interest, participation and commitment of the students during the tasks. |
| **Observations** • |