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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. | | | |
| **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** • | | | |