**WORKSTATION 2: Lego WeDo 2.0**



**LEARNING OUTCOMES:**

**ST3-1WS-S**

**plans and conducts scientific investigations to answer testable questions, and collects and summarises data to communicate conclusions**

**ST3-10ES-S**

**explains regular events in the solar system and geological events on the Earth’s surface**

**ST3-2DP-T**

**plans and uses materials, tools and equipment to develop solutions for a need or opportunity**

**ST3-3DP-T**

**defines problems, and designs, modifies and follows algorithms to develop solutions**

**Task: Workstation 2**

**For this task you will build a floodgate that can control the level of water in a river in order to minimize the impact of floods on surrounding land.**

1. **Start the LEGO education app on the iPad. Click on the book icon to create a new project.**
2. **Scroll down to Guided Project - Science and select the 6. Project: Prevent Flooding**
3. **Review the EXPLORE part of the tutorial.**
4. **Follow the CREATE part of the tutorial and use bricks to build the floodgate.**
5. **If you have time: Can you add a sensor to the floodgate to automate it in some way?**