

## Computer Design and Control

Workshop	Computer Design and Control
Key Stage	Key Stage 2 (see footnote)
Recommended Age Group	7-14 (see footnote)
PoS	Computing
Course Description	Utilising the LEGO® Education WeDo Construction Sets, in pairs students will build and program their own interactive model. Covering key Computing topics such as algorithms, Boolean, repetition in programs, debugging & inputs and outputs
Duration	45 Minutes
Equipment	LEGO® WeDo Construction Sets Computers LEGO® WeDo Construction and Programming Database
Capacity	30 students
Lesson Objectives	<ul style="list-style-type: none"> <li>✓ Students will learn key terms in computer programming and understand their role in day to day life</li> <li>✓ Students will understand what they are inputting and how this affects the actions of their model</li> <li>✓ Through effectively working in pairs, students will collaborate to follow numbered building instructions to create and program their model, bringing it to life</li> </ul>

Footnote – Although these are guidelines, students at KS3 can complete these activities if suitable

