

Workshop	LEGO® Eco-Living
Recommended Year Groups	5-8
Subject	Computing, Environmental Science, Design Technology
Course Description	Discuss why it's important in the 21 st Century to find ways to live that protect the environment. Design and build an eco-living space with automated features including approximations of; Heat pumps, wind turbines, light switches, status lighting.
Duration	45 minutes
Equipment	LEGO® SPIKE Essentials kits SPIKE 3.0 app iPads
Capacity	30 students
Lesson Aims and Objectives	<ul style="list-style-type: none"> ✓ Investigate new and emerging technologies and understand developments their impact on individuals, society, and the environment ✓ Generate and communicate their ideas through discussion ✓ Understand how technology and automation can be used to protect the planet and improve our ability to use energy efficiently

