

## LEGO® Eco-Living

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| 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 <sup>st</sup> 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<br>SPIKE 3.0 app<br>iPads   |
| Capacity                   | 30 students   |
| Lesson Aims and Objectives | <ul style="list-style-type: none"> <li>✓ Investigate new and emerging technologies and understand developments their impact on individuals, society, and the environment.</li> <li>✓ Generate and communicate their ideas through discussion.</li> <li>✓ Understand how technology and automation can be used to protect the planet and improve our ability to use energy efficiently.</li> </ul> |

