**LEGO® Gears, Pulleys and Simple Machines**

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| Workshop | Gears, Pulleys and Simple Machines |
| Key Stage | Key Stage 1 |
| Age Group | 5 - 7 |
| PoS | Science (Forces) |
| Course Description | Observe and investigate gears, wheels, axles, levers and pulleys we find in everyday life. Using the LEGO Education Simple Machines Kits, pupils become LEGO Engineers and construct their very own mechanical LEGO model |
| Duration | 45 Minutes |
| Equipment | LEGO Education Simple Machine Sets  Instructions |
| Capacity | 30 students |
| Lesson Objectives | * Understand how gears and pulleys benefit everyday life * Recognise that some mechanisms allow a smaller force to have a greater effect * Be able to follow a LEGO build guide to create a working mechanism |