

Workshop	Catapult
Key Stage	Key stage 2
Recommended Age Group	8 to 11
Programme of Study	Science, Technology, Engineering, Maths
Workshop Description	<p>Let's build a catapult! Build and test models that use first class levers. What changes make the catapult project further?</p> <p>Students will investigate:</p> <ul style="list-style-type: none"> Pivot, effort and load First class levers Measure with standard units of measure Predict outcomes of various trials
Duration	45 minutes
Equipment	LEGO Education Simple Machines sets
Capacity	30 students per session
Lesson objectives	<p>Science:</p> <ul style="list-style-type: none"> Motion and Stability - Forces and Interactions Cause and effect - Mechanism and explanation Systems and system models Stability and change <p>Design & Technology:</p> <ul style="list-style-type: none"> Assembling Components Evaluating Game Design <p>Vocabulary:</p> <ul style="list-style-type: none"> Pivot Load Effort