

Workshop	Catapult
Key Stage	Key stage 2
Recommended Age Group	8 to 11
Programme of Study	Science, Technology, Engineering, Maths
Workshop Description	Let's build a catapult! Build and test models that use first class levers. What changes make the catapult project further? Students will investigate: 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	Science: • Motion and Stability - Forces and Interactions • Cause and effect - Mechanism and explanation • Systems and system models • Stability and change  Design & Technology: • Assembling Components • Evaluating • Game Design  Vocabulary: • Pivot • Load • Effort

#### SCHOOL PACKAGES

Peak entry (March to August)	£7.95 per child
Off Peak entry (September to February)	£6 per child
Add a LEGO educational workshop to your visit	+£2 per child
Upgrade to visit SEA LIFE on the same day (Peak)	+£4 per child
Upgrade to visit SEA LIFE on the same day (Peak)	+£3 per child
Add a SEA LIFE workshop to your combi visit	+£2 per child
1 free teacher/assistant for every 3 pre-school pupils. 1 free teacher/assistant for every 5 primary school pupils. 1 free teacher/assistant for every 10 secondary school pupils. Additional teachers: 30% off adult standard entry	

#### HOW TO BOOK

Call 0161 6292058

or fill out the provisional school booking form online by visiting:

[www.legolanddiscoverycentre.com/manchester/groups-schools/schools/](http://www.legolanddiscoverycentre.com/manchester/groups-schools/schools/)

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