**Science of Rollercoasters**

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| Workshop | Science of Rollercoasters |
| Key Stage | Key Stage 2 + 3 |
| Recommended Age Group | 8-13 |
| PoS | Physics, Design and Technology |
| Workshop Description | Discover and investigate how gravity, friction and weight can affect the speed and distance of Rollercoasters. Pupils will work in groups to design and build their own LEGO model Rollercoaster. |
| Duration | 45 Minutes |
| Equipment | LEGO Technic |
| Capacity | 30 students |
| Lesson Objectives | * Understanding how gravity, friction and mass can affect travel, students will collaboratively design, make and test their rollercoaster evaluating its performance to improve design * Students will demonstrate team work and communication skills to complete the task * Students will design, build and evaluate their designs. |