



Science Alive, The LeisureZone
 Second Avenue, Harlow, Essex
 CM20 3DT
 T: 01279 413412
 E: bookings@science-alive.co.uk
 W: www.science-alive.co.uk

Engineers Here KS1 & 2 Full Day Schools Programme

Main science themes:

- Explore how unsupported objects fall towards the Earth because of the force of Gravity with our Bridge Building Workshop.
- Identify the effects of Air Resistance and Friction that act between moving surfaces and recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect. Our Heave Ho Show will put all of this into action with Isaac our Mad Scientist
- Pupils should explore the effects of friction on movement and find out how it slows or stops moving object with Balloon Buggies Workshop KS1 or Parachute eggs for KS2.

A provisional timetable is shown below.

Engineers Here Programme Introductions to the Team. Safety Briefing. Overview of the Session.				
Time	Levers Group A	Gravity Group B	Air Group C	Friction Group D
10.15	Heave Ho Show! Leavers Alone! Isaac our Mad Scientist	Balloon Buggies KS1 Parachute Eggs KS2 Workshop	Bridge Building Competition	Discovery Trail Investigate first hand Bicycle Designs from Penny Farthings to Tandems.
11.00	Snack Break			
11.15	Discovery Trail Investigate first hand Bicycle Designs from Penny Farthings to Tandems..	Heave Ho Show! Leavers Alone! Isaac our Mad Scientist	Balloon Buggies KS1 Parachute Eggs KS2 Workshop	Bridge Building Competition
12.00	Lunch break			
12.30	Bridge Building Competition	Discovery Trail Investigate first hand Bicycle Designs from Penny Farthings to Tandems.	Heave Ho Show! Leavers Alone! Isaac our Mad Scientist	Balloon Buggies KS1 Parachute Eggs KS2 Workshop
13.15	Balloon Buggies KS1 Parachute Eggs KS2 Workshop	Bridge Building Competition	Discovery Trail Investigate first hand Bicycle Designs from Penny Farthings to Tandems..	Heave Ho Show! Leavers Alone! Isaac our Mad Scientist