

# NE > < US

STEM Club

October Half Term

## Introduction



The Nexus STEM Club will challenge students to build a Rube Goldberg Machine out of Lego. This contraption will get students to explore different types of mechanisms as a marble is carried across levers, ramps, switches, conveyors and many other structures as it traverses the construction.

The challenge incorporates elements of Mechanical and Electronics, link with STEM, and will develop design and team working skills.

A Rube Goldberg machine is a deliberately complex contraption in which a series of devices that perform simple tasks are linked together to produce a domino effect in which activating one device triggers the next device in sequence. The expression is

A guest speaker has been invited to talk to the students about the application of mechanisms in the engineering industry.

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We have 20 spaces available and if you would like to book one of these places, please complete and return the slip below by the 20<sup>th</sup> October 2017.

## Program Details

- Date: Tuesday 24th – Thursday 26th October
- Time: 10:00 – 16:00
- Lunch: Please bring your own lunch
- Cost: £50 (Payment accepted by cheque or BACS)
- Age Range: Year 7 – Year 11



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## How To Book

Please complete the form below and return to Nexus.

|                             |   |                  |               |
|-----------------------------|---|------------------|---------------|
| Course Title                | 3 Day Half-Term STEM Club                   |                  |               |
| Dates                       | 24 <sup>th</sup> – 26 <sup>th</sup> October | Time:            | 10:00 – 16:00 |
| Name                        |   |                  |               |
| Date Of Birth               | / /   |                  |               |
| Address                     |   |                  |               |
|                             |   |                  |               |
| Post Code                   |   | Telephone Number |               |
| Email                       |   |                  |               |
| Emergency Contact Name      |   |                  |               |
| Parent / Guardian Signature |   |                  |               |



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