



Robot Engineers

Would your child like to be a Robot Engineer? If so this Holiday Club is for them! The day consists of building, designing and coding a Robot to complete the challenges set by Evil Engineer Stuart!

This Holiday Club will be a full day event inspiring young minds in the world of robotics and computer programming.

JitterBugs

The JitterBugs holiday club will allow your child the opportunity to create their very own creature (a battery powered jitterbug), diving into the wild world of unusual creatures. The jitterbugs can also be taken home at the end of the day!

This Holiday club will allow your child to learn about different types of creatures and habitats in the world.

Stuck in Space

Stuck in Space is a holiday club where the children will work in teams to rescue a team member who is stuck outside the spaceship! The teams will have a box of resources from which they need to design a rescue pod. The teams will have to design a structure to support the lost team member without touching the fiery lava floor of a distance planet.

This holiday club will allow your children to explore engineering and designing structure fit for purpose, as well as problem solving and teamwork.

The Marble Coaster

The Marble Coaster is a session where children will use cardboard to design a marble run. They will need to design a run which lasts for a minimum of 30 seconds and with the view to making it as fast as possible.

This Holiday Club will turn your child into a mini engineer as they will have to learn about potential energy, friction, angles of the slope, different material properties and have fun!

For more information and to make a booking

STEM@educatorsolutions.org.uk or call 01603 307715

The Ultimate Engineering Challenge

Here your child will have to solve a number of engineering challenges set by industry experts, from building structures to solving a problem using many different skills to designing the fastest car.

This holiday Club will allow your child to think creatively about problems and foster an interest in engineering.

So you think you're a Scientist?

Does your child have what it takes to be a Scientist? At this summer club your child will have to complete a number of scientific challenges set by the Sinister Scientist Samantha. Using their knowledge they will have to solve challenges such as, can you make a raisin dance and create an underwater volcano?

This Holiday club will illustrate to your child that science is exciting and fun, and spark an interest in the world of science!

Exploring Coding - Ozobots

During this Holiday club, your child will be engrossed with coding and computing. Your child will be using the very small code-able Robot – The Ozobot. In this session your child will have the opportunity to design a game and compete against other Ozobots either via a Dance off, a track race or finding the secret location of the buried treasure and many many more!

During this holiday club your child will explore coding and inspire their minds into the domain.

Booking Information

All the holiday clubs will allow your child to collect Children's University Hours (if part of the scheme)!

Venue: The Kinesis Centre at Norwich City Football Club

Dates:

| Monday | Tuesday | Wednesday | Thursday |
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| | 8 th August Robot Engineers | 9 th August Stuck in Space | 10 th August Exploring Coding |
| | 15 th August The Marble Coaster | 16 th August The Ultimate Engineering Challenge | 17 th August JitterBugs |
| 21 st August Robot Engineers | 22 nd August The Marble Coaster | 23 rd August Exploring coding | |

Time: 10:00 to 15:00 / **Age range:** 8 to 12 year olds

Cost: £30 per a day OR two days for £50 OR five days £140.

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