

# Year 5/6 pupils – Lego Mindstorms Robotics Challenge

Date of course	Times	Venue	Cost	Max. places	Subject
Tuesday 30 <sup>th</sup> November 2021	9.30am – 4.30pm	Braeside Education Centre	£60	16	Science AGAT

## Course details

Pupils will initially have a few icebreakers and then use Lego Mindstorms to build and program an autonomous robot to undertake a series of fun missions on a specially designed mat. Pupils will develop creative problem solving and team working skills as well as improving their knowledge of programming and control. Pupils will compete in teams against other teams.

## Guidance criteria for identifying participants:

- Pupils should be willing to try out new things
- Pupils must be prepared to invent new ways to solve technical problems

## Course tutor

**John Trickett** is Director of Wessex SETPOINT with extensive experience of working with schools on problem solving and team building activities. As the organiser of the Wessex Region *FIRST*<sup>®</sup> LEGO<sup>®</sup> League Robotics competition at HP Bristol he recruits 40 – 60 schools annually for this competition. School teams respond to the challenge with creativity and imagination. All Wessex SETPOINT activities require students to work in teams, be creative and solve problems. The emphasis is on experiential learning, that is, learning by doing, so learning is enjoyable and fun.

## As a result of coming on the course you will have:

- Enjoyed yourself
- Learnt more about yourself as a designer, maker and technical problem solver
- Been surprised how good you are at solving problems
- Been able to adjust to an unfamiliar situation and work independently and within a team
- Gained knowledge of programming and computer control of autonomous robots

## What you will take away with you:

- A sense of achievement
- A certificate of attendance
- Able to show you can solve technical problems creatively and work well in a team.

## Students should bring:

- Pens, pencils and a notepad
- Water bottle

**Lunch and refreshments are provided.**

**School uniform not required.**

**No mobile phones.**