

## Year 3/4 pupils – Science of Scalextric

Date of course	Times	Venue	Cost	Max. places	Subject
Monday 31 <sup>st</sup> January 2022	9.30am – 3.30pm	Braeside Education Centre	£60	16	Science AGAT

### Course details

Take up pole position for this action-packed and educational workshop, where you are going to have a great time playing with Scalextric, but at the same time exploring maths, physics and ICT.

A giant Scalextric layout provides the opportunity to learn first-hand about the role that the electronics play and, in the case of the newer Scalextric Digital format, how the cars and controllers form a miniature computer network.

But electronics alone cannot keep your car on the track – is it driving skill or pure physics?

How do we make sure that the races are fair? Are you up for the challenge to take 1<sup>st</sup> place in the Braeside Grand Prix?

### Guidance criteria for identifying participants:

- Pupils should have an interest in physics and an enquiring mind.
- Pupils will need to be able to work confidently, both individually and in small groups.
- Pupils must show the aptitude to translate theory into a practical application.
- Pupils must want to share the academic and practical challenges of the course – and the fun

### Course tutor

**Adrian Dening** has over thirty years' experience in delivering science courses for Able, Gifted and Talented students. He offers a wide range of topics exploring electronics, ICT, space science and even spying! He is a keen Amateur Radio enthusiast and astronomer. Adrian is an Approved Driving Instructor and member of the Chartered Institute of Personnel and Development. His G&T courses are challenging, with a balance between theory at a high academic level and fun practical exercises to consolidate what has been learnt. All courses include the assessment of written work and note-taking, providing the basis of feedback to parents. The courses involve a mix of individual and group activities and students are actively encouraged to explore different learning styles, take responsibility for their own time management and think "outside the box". A full portfolio of Adrian's courses is available at <http://www.AdrianDening.com>

### As a result of attending the course you will have:

- A greater understanding of electronics.
- Worked successfully in a group with your peers.
- Enjoyed new challenges and shared your knowledge with new like-minded friends.

### Students should bring:

- Pencils / pencil case
- Water bottle
- Clothes suitable for outdoor play

**Lunch & refreshments are provided.**

**School uniform is not required. No mobile phones.**