

Year 3/4 pupils – Science of Scalextric

Date of course	Times	Venue	Cost	Max. places	Subject
Monday 31 st 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 1st 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.