

BUILD YOUR OWN

## REMOTELY OPERATED VEHICLE

### SHOWING IMPACT IN SCHOOL KEY INDICATORS

Mathematic skills enhanced at A\*-C  
Access to extra-curricular activity  
Knowledge of Career Pathway

**Target Learner:** Key Stage 4 Year Groups + Year 9

**Duration:** 5 x full days or 10 x half days

Impact on your **learner outcomes** by involving students of all abilities in this exciting ROV challenge. ROVs are designed and built in small teams who will be involved in full project management, from planning, setting targets, team working and meeting deadlines. **Mathematic skills** along with **people skills** are challenged, by the complex difficulties which need to be overcome. The aim is to raise academic and interpersonal skills. This is an opportunity to flourish 'outside' the classroom.

**Costs:** £62.50 per hour GYSBP members or £69.00 per hour

**Delivered by:** Nexus Engineers

This is a Design and Build Project. The first task is to construct the ROV, this will involve 2D design, scaling, measuring and energy transfer. Lifting, carrying and co-ordination with the remote control, also come into play. Learners will have to overcome a series of set problems. The aim is to introduce learners to the skills required to become an engineer, to think for themselves but still involve their team mates. Once the ROV is constructed each team will complete different tasks, from recovering 'lost' equipment to time trials on different obstacles. This project can be delivered at your school or at Nexus Engineering in Gorleston, Norfolk.

The ROV project is bespoke to your learning aims, the ROVs can even be equipped with cameras for more in-depth analysis and is an excellent way to introduce young people to the engineering sector.

#### HOW TO BOOK

**Telephone:** 01493 742336 **email:** [office@nexus-engineering.org](mailto:office@nexus-engineering.org)  
**contact us via our website:** [www.nexus-engineering.org](http://www.nexus-engineering.org)

#### Or visit us at

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