Schools Advisory Service

The Schools Advisory Service is a FREE service to schools, conducted through face to face meetings and regular communications, supporting teachers in developing and enhancing the curriculum.

Through strong links with business organisations the service aims to ensure that all schools can offer their students programmes which support the curriculum and increase the quality and quantity of students moving into further STEM education, training and development.

This service helps you:

- assess and build your careers provision
- bring local STEM industry career role models into your school
- provide engaging and motivating real life applications of Science Technology, Engineering & Maths for young people from industry

We also offer schools specific advice on the following:

Open all sections

Resources

To facilitate teachers, education staff and even students in navigating their way through the STEM information available we have compiled a list of useful links.

These categorised links give details on a range of STEM activity and curriculum enhancement providers, as well as approved STEM information portals that are being used by schools in Birmingham and Solihull. Find out more in **STEM Resources and Useful Links (/schools/STEM-centre/information-for-teachers/useful-links.aspx)**.

Enhancement and Enrichment

An enrichment and enhancement STEM activity, or E&E activity for short, is an activity that offers schools the opportunity to deliver exciting and inspiring activities to the classroom.

Examples of enrichment and enhancement activities range from:

- Physics, ethics and bioethics
- A maths magic show
- Chemistry camps
- Data analysis simulating situations such as earthquakes
- 'Dragon's Den' challenge to design, build and present an invention
- Practical work in biology that helps to illustrate evolution
- Architecture workshops
- Work placement in industry

The possibilities for presenting a motivating and stimulating activity to students are endless. We can also advise on National Schemes and competitions that may enhance students learning, such as The Engineering Education Scheme, The National Science and Engineering Competition plus many more.

We ensure that, for a STEM enhancement or enrichment activity to be effective:

- It will make a difference to learning – seeking changes in motivation, attitudes and enthusiasm which can impact on teaching and learning in lessons;
- It will fit into the school's curriculum design and delivery methods;
- It will improve teachers' understanding of STEM education and the benefits they will gain by engaging with a STEM activity;
- There will be access to resources from industry that will make a difference in the classroom.

STEM Clubs

STEM (Science, Technology, Engineering and Mathematics) clubs allow children to explore, investigate and discover STEM subjects in a stimulating learning environment, away from the constraints of the school timetable or a prescribed curriculum. They allow pupils and their club leaders to work together and explore many different ideas and activities. Find out more about **STEM Clubs (/schools/STEM-centre/information-for-teachers/STEM-Clubs.aspx)**.

If you would like to benefit from this FREE service, please **contact us (/schools/STEM-centre/contact/index.aspx)**. We are available to meet you in school at a time that suits you to chat through the support we can give.

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