

Meaningful Learning Experiences

Strategic Commitment	✓	Part of a regional, ESF-funded 'Careers Local' programme
Curriculum Provision	✓	Bringing a typical GCSE Science question to life
Employer Partnerships	✓	Involving a local firm employing three specialists
Reflective Young People	✓	Self-assessment using 'Skills Builder' framework
Informed Career Choices	✓	Highlighting exciting and local STEM opportunities

GCSE students learn about electromagnetism and 'motor effect' from a local PA systems specialist

A CPD event involving all teaching staff at Murray Park Community School resulted in 18 briefs being submitted for curriculum projects. One from the Science team focused on GCSE Science: *'The Motor Effect is a subject that pupils struggle with, but they use motors every day. As it is a difficult concept and pupils become unmotivated ... I would love to see pupils be able to see the motor effect on a grander scale. I would also like them to be able to link it to everyday ideas such as speakers ...'*

A typical GCSE question about the workings of a loudspeaker was adapted into a purposeful challenge from Sound Perspective, a local small firm that provides sound equipment for music performances and large-scale outdoor events. The managing director provided two short video clips recorded on his mobile phone from a client venue in Hastings – one before and one during the event, showing their equipment in use and then setting a challenge:

'We want you to prove that you understand the basics about speakers and suggest ways of ensuring audiences get the best possible experience. We also want fresh ideas about how we could get across to event organisers in the East Midlands that Sounds Perspective is passionate about applying our technical skills.'

Teaching staff noticed how hard the students worked in the classroom and how proud they were of their work. Impact assessment included use of the Skills Builder framework, a set of employability skills that is used nationally and will form part of the school's ongoing monitoring of personal development for their students.

Benefits for the Students

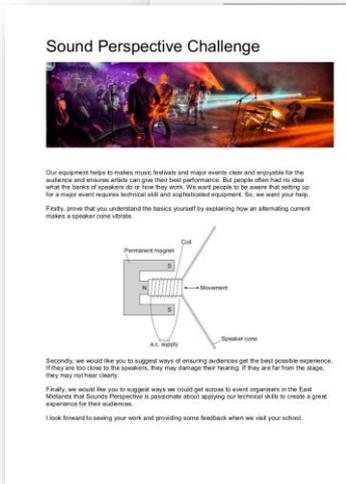
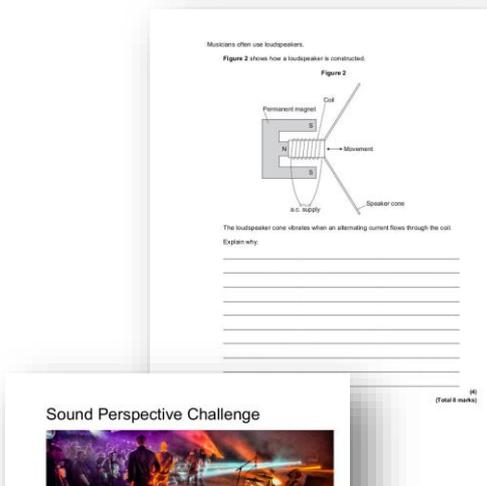
- *'I was able to come up with a logical speaker design'*
- *'Being able to learn about how the speaker works and how they can function within an open public area. I always thought my finished product was good and I was pleased with it'*
- *'Developing my knowledge of electromagnets and speakers ... team-working skills ... my communication skills and decision-making skills'*
- *'I made a poster with a lot of detailed information'*
- *'Still getting on with it independently as my partner was off ill after the first lesson'*
- *'I know how a speaker works and how to make it louder'*

Benefits for the School

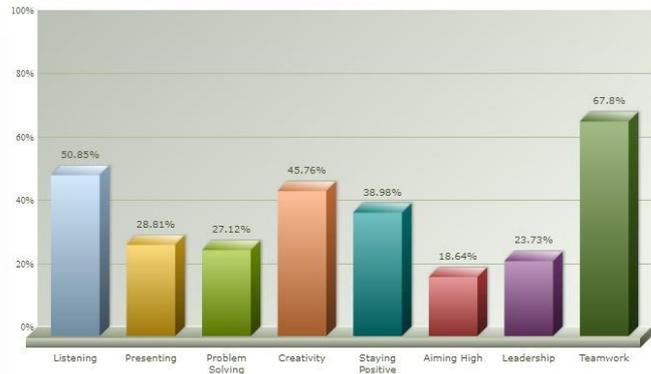
- The project is part of a strategic commitment that includes performance management objectives for teachers to enrich classroom learning in partnership with employers
- Impact assessment used an online survey template that will be used by the Careers Leader for impact assessment of all the school's CEIAG provision
- *'The Loudspeaker project is nearly finished – I am actually amazed at how hard the pupils have worked on this'* (Head of Science)

Benefits for the Employer

Sound Perspective is a small but very busy local firm. The classroom resources were created from website information and images, along with video clips recorded while setting up a client project in Hastings – and then sent via Whatsapp. No meetings or school visits were required and yet the project involved two GCSE classes of students.



This achievement is evidence that I have developed the following skills:



The project replaced typical exam-style questions about electromagnetism with a challenge presented by a local small firm specialising in sound systems for music performances and outdoor events.

