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## STEM Investigation into wind turbine design for Key Stage 3

### Benefits of the activity

- Insight into emerging industry & progression routes
- Hands on scientific investigation with creative design and application of Maths and truly cross curricular STEM
- Tests presentational skills through the activities final

The Investigation is available for

3 HOURS  
**£350**

or

5 HOURS  
**£475**





## There are 2 main elements

- A 15 minute presentation from HETA focused on renewable energy sector especially off-shore wind industry
- A STEM Investigation which involves the pupils creating innovative and effective wind turbine designs covering blades and structures. The 5 hour activity includes creating a lighting system using the power generated.

"Our students thoroughly enjoyed undertaking the Smart futures activity with Mike and the team of apprentices from HETA. It was great for students to put their science, enterprise and engineering curriculum skills into practice whilst also learning about career opportunities in the Humber region in the future. Thanks for a great day."

**Stephen Logan - Business Champion**

Malet Lambert School, A Specialist Language College

"Just wanted to say a massive thank you to you and your staff for yesterday. I mean this sincerely when I say it was the best technical engineering event I have ever been to. It was set at the right level, students needed minimal intervention, the learning through doing, and development through data analysis was a revelation to me. I did an evaluation by speaking to them this morning, and they all said how brilliant it was."

**Paul Fairlie - Assistant Principal, Specialism**

Oasis Academy, Immingham



The STEM Investigation can be used to gain the Bronze Crest Award for £4 per pupil



For more information on the SMart Futures activity and to book your school's STEM Investigation contact

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