



**Friday 3 March 2017**

# Celebration of Engineering and Science



**Dundee Science Centre**

Event Partner



# PROGRAMME

09.00 -10.00	Arrival and Set up
10.00 - 10.15	Welcome:  David Burgess, Plant Installation Manager Shell's Fife NGL Plant  Rebecca MacLennan, Programme Manager – Young Engineers and Science Clubs Scotland
10.15 – 11.30	Judging of Showcases STEM Challenges Construct a Crane Testing, in partnership with EnerMech
11.30 - 11.45	Break
11.45 - 1.00	Judging of Showcases STEM Challenges Construct a Crane Testing, in partnership EnerMech
1.00 – 1.45	Lunch and Explore Dundee Science Centre
1.45 – 2.00	Presentation of Awards David Burgess, Plant Installation Manager Shell's Fife NGL Plant  Vote of Thanks: Jane Martin, Programme Director – Young Engineers and Science Clubs Scotland
2.00 - 2.15	Dismantle and Depart

# COMPETITORS

School and Authority	Projects
Andover Primary, <i>Angus</i>	Work with coding, using scratch and a Raspberry Pi. Research, plans and posters based on Construct a Crane
Auchmuty High , <i>Fife</i>	Circuit Tiles drone kit, Solar heater, paper rocket launcher. Construct a Crane
Benarty Primary , <i>Fife</i>	First Lego League Micro:bit moon buggies, Construct a Crane
Braeview Academy, <i>Dundee</i>	Greenpower Car
Canmore Primary, <i>Fife</i>	Various STEM projects, Construct a Crane
Carnoustie High, <i>Angus</i>	Go4Set project, CREST awards, Construct a Crane
Coaltown of Balgonie Primary, <i>Fife</i>	STEM projects on Flight, Forces and Space
Collydean Primary, <i>Fife</i>	Building a hanging structure/ mechanical engineering, Construct a Crane
Dunbarney Primary, <i>Perth and Kinross</i>	The Great Tech Race. Using electronics, pneumatics, hydraulics and pulleys to operate a camera to film endangered species in different habitats, Construct a Crane
East Wemyss Primary, <i>Fife</i>	Work on Electricity and some of the projects from the Watt's Watt Challenge, electrolysis and wave power
Harris Academy, <i>Dundee</i>	Lego League and The Little Big Awards, Construct a Crane
Kirkton of Largo Primary, <i>Fife</i>	Little Lighthouse
Monifieth High, <i>Angus</i>	F1 in Schools and Tomorrow's Engineers Robotics Challenge, Construct a Crane
Perth Academy, <i>Perth and Kinross</i>	Global classroom UV project, Construct a Crane project and enlightenment smart phone microscopes.
St Dominic's RC Primary, <i>Perth and Kinross</i>	Little Lighthouse
St Leonards, <i>Fife</i>	BBC Micro:Bits and posters Construct a Crane
St Paul's RC Academy, <i>Dundee</i>	Weir Group 3D Printed Water pump, Rampaging Chariot, Lego Mindstorms and Cisco Little Big Awards submission

# STEM CHALLENGES



# ACKNOWLEDGEMENT

Many thanks to the people and organisations who have made today possible:

Event Partner – Shell U.K. Limited

All the STEM Challenge Companies and Institute of Physics

Our Judges: David Burgess, Shell U.K. Limited, David McGloin, University of Dundee, Grant Paton, NCR and Melanie Riddell, YESC  
Dundee Science Centre

For further information on Young Engineers and Science Clubs Scotland visit [www.yecscotland.co.uk](http://www.yecscotland.co.uk), read our Twitter Feed @scdiYESC or contact:

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## Lead Partners



## Principal Partners

