

**scdi**

Scottish Council  
for Development  
and Industry



Young Engineers &  
Science Clubs Scotland

**Friday 24 March 2017**

# Celebration of Engineering and Science



**Aberdeen Science Centre**

Event Partners



# PROGRAMME

- 10.00 - 10.15                      Welcome:  
Alex Baird, Northern Systems and Plants Manager,  
Shell U.K. Limited
- Ian Armstrong, Regional Director, SCDI
- 10.15 - 12.45                      Judging of Showcases  
STEM Challenges  
Construct a Crane Regional Final – in partnership with  
EnerMech
- Drop in Activities – IOP - fun physics busking  
   – Aberdeen Science Centre
- 12.45 - 1.15                      Lunch – Green Group  
Science Show – Pink Group
- 1.15 – 1.45                      Lunch – Pink Group  
Science Show – Green Group
- 1:45 – 2.00                      Presentation of Awards:
- Alex Baird, Northern Systems and Plants Manager,  
   Shell U.K. Limited
- Neal Wannell, ACE Process Engineer, BP
- 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
<b>Alford Academy, Aberdeenshire</b>	Range of STEM Projects
<b>Clerkhill Primary, Aberdeen</b>	I'm an engineer, I can help here! Flooding Emergency; STEM projects and Construct a Crane
<b>Gordon Primary, Aberdeenshire</b>	Construct a Crane
<b>Hazlehead Academy, Aberdeen</b>	Range of STEM projects including toothbrush bots, growing crystals etc; Construct a Crane
<b>Kingswells Primary, Aberdeen</b>	Hydraulics project; Construct a Crane
<b>Kittybrewster Primary, Aberdeen</b>	A model to highlight the link between climate change and flooding. We have also made display boards to raise awareness of climate related issues and how we can take action to reduce further damage to our planet.
<b>Minds Applying Science, Aberdeenshire</b>	Construct a Crane - design, build, test and modifications
<b>Newtonhill Primary, Aberdeenshire</b>	Goblin cars, Go Forth bridges, Construct a Crane
<b>Peterhead Academy, Aberdeenshire</b>	Greenpower (F24)
<b>Portlethen Academy, Aberdeenshire</b>	BP ultimate challenge project to test wing designs and to develop a robotic arm. Balloon powered cars
<b>Riverbank Primary, Aberdeen</b>	Powerpoint display of experiments and work.
<b>Robert Gordon's College, Aberdeen</b>	3D Printer; Tank; Track; Robot; Water Rocket; Woodwork; Marble Maze; Construct a Crane
<b>St Joseph's RC Primary, Aberdeen</b>	Mini 'robots' made using mobile phone vibration motors, theoretical projects covering extracting pockets of Oil and Gas from the North Sea using innovative technology.
<b>St. Peter's RC Primary, Aberdeen</b>	Showcase of Science work and Construct a Crane
<b>Torry Academy, Aberdeen</b>	Virtual Reality Bicycle roller - bike put on a training stand with an Arduino measuring the RPM and sending data to a phone on the VR headset. Electrostatic Generator - pocket machine used to generate static. DIY Wimshurst machine & Steam Engine 'Rampaging Chariots' robots.
<b>Tullos Primary, Aberdeen</b>	Construct a Crane
<b>Tullynessle School, Aberdeen</b>	Science work form the year; Construct a Crane

# STEM CHALLENGES AND SPONSORS



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](https://twitter.com/scdiYESC) or contact:

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## Lead Partners



## Principal Partners

