



## SCARBOROUGH ENGINEERING WEEK 2016

### INVITES YOU TO TAKE PART IN

A *FREE* and exciting STEM Challenge for 7-19 year olds

**Students aged 7-19 year old are invited to take part in the P1 to Schools, Build a Boat Challenge developed as part of Scarborough Engineering Week 2016 and funded by the Institution of Engineering and Technology (IET) and the Institution of Mechanical Engineers (IMechE).**

Students taking part are invited to compete with their best prototypes during Scarborough Engineering Week taking place **11th – 13th October 2016** at the Scarborough Spa.

#### **Who can enter?**

The challenge is open to families and students aged 7-19 working in teams of no more than six.

#### **When will it place?**

The challenge is designed to be completed in school or at home with the finale taking place during Scarborough Engineering Week.

#### **What is the P1 to Schools, Build a Boat Challenge? Funded by IET and IMechE.**

Students will work in small teams to construct and design a boat that will be capable of completing a 15 metre course. Each boat will be timed against the clock with the fastest time across the age groups awarded on the final day at Scarborough Engineering Week.

Prizes will also be awarded to best design and best presentation of learning.

Free basic kits will be provided to each team taking part with students encouraged to make their design stand out.

***Please note kits will be given on a first come basis.***

The challenge will be open to the following age groups, each age group will have a varied level of difficulty, and further information will be provided on registration.

- **7-11 years**
- **11-14 years**
- **14-19 years**

Teams/individuals will be expected to develop, design and build a boat in school or outside and provide a short presentation that will convince the judges of their learning and understanding of the challenge.

### **What happens at the final?**

You are invited to race your boat during Scarborough Engineering Week 2016, families will be invited to attend one of the evening sessions of the event.

### **Judges will be looking for:**

Best Design  
Fastest Time  
Best Build of boat  
Best presentation on the learning achieved through this challenge.

### **How to enter**

To register your interest and apply for a free kit please complete the attached reply slip and return to [yvonne@nybep.org.uk](mailto:yvonne@nybep.org.uk)