

AHOY THERE! IT'S THE SOLAR BOAT CHALLENGE

A *FREE* and exciting KS3 & 4 STEM Competition

Teams of learners are invited to design and construct a boat capable of negotiating a test pool in the fastest time using only the materials provided only to power it!

Completed boats are invited to be tested at a finale event on 29th June 2017 at the Yorkshire Air Museum. The challenge will form an integral part of our annual STEM Showcase event, Inspirations, organised by NYBEP.

Who can enter?

The challenge is open to Key Stage 3 or 4 students working in teams of no more than four who may enter any of the following classes:

- **Scirocco class** - moulded multi hulled boat
- **Free form class** – custom designed moulded hull produced by the entering team
- **Green class** – hull is constructed out of recycled bottles/containers

What we will provide!

On receipt of your reply slip we will provide you with a kit (max 3 kits per school whilst available) containing:

- 3 Solar Panels (1 per kit)
- 2 boat propellers and 2 aeroplane propellers
- Super Capacitor, a solar motor and switch
- Brass tube and pultruded rod

The rules!

The boat must be:

- powered by a maximum of 3 solar panels
- built by the entering team
- entered into one of the categories above

How to enter

Complete the reply slip and return to Claire Healy at NYBEP, IT Centre, Innovation Way, Heslington, York, YO10 5NP events@nybep.org.uk tel: 01904 567616.

An event in partnership with
The Rotary Club of the York Vikings

