

# 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 26th June 2014 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:

- **Aquaforce class** – moulded mono hull boat
- **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 Jacki Dealtry at NYBEP, IT Centre, Innovation Way, Heslington, York, YO10 5NP or email [jacki@nybep.org.uk](mailto:jacki@nybep.org.uk) tel: 01904 567616.



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

