

BRADFORD MODEL ENGINEERING SOCIETY

MARINE SECTION

POP POP BOAT CLASSES AND CONSTRAINTS



Six classes of boat are specified but others can be added if the need arises. The classes are designed so that no pop pop boat will be excluded. All boats will either sail in a channel or on the lake.

Channel boats

Class 1

These are commercial tin plate boats powered by candles or vegetable oil.

Class 2

These are other commercially available boats.

Class 3

These are boats fabricated from milk cartons or plastic milk bottles. They will be powered by candles or vegetable oil. Their engines will be fabricated from an aluminium drink can and two 'Bendy' straws (plans and videos available).

Class 4

These boats are either own-design or built from published plans. They will be powered by any fuel other than petrol. The overall length will be limited to 610mm.

Overall constraint

The channel is of semi-circular cross section and is 6m long. It is 150mm wide and 70mm maximum depth. Boat builders must bear this in mind to avoid their hulls binding on the sides of the channel. A test track is available at Bradford Moor Park pavilion for builders to test their boats.

Lake Boats

Class 5

These boats will be capable of sailing across Bradford Moor Park lake unaided. Their directional stability may be controlled by the use of an adjustable rudder (NOT radio controlled). They will be powered by any fuel other than petrol. There are no limits on size.

Class 6

These boats will be capable of sailing across Bradford Moor Park lake. Their directional stability may be controlled by the use of a rudder under radio control. They will be powered by any fuel other than petrol. There are no limits on size.