



## BASIC ROCKET PARTS AND WHERE TO FIND THEM

Please note that this is a guide only. Rocket parts can be obtained from one of the suppliers listed on the UKROC website [here](#). All UK suppliers are familiar with the UK competition are helpful and will answer questions. If possible use parts left over from previous competitions and allow time for suppliers to obtain parts from abroad.

- Upper Body Tube with an inside diameter to hold two eggs up to 60mm in length (possibly BT80 tube size)
- Lower Body Tube no greater than 57mm outside diameter (T-70 tube size)
- Motor Tubes (for 1 to 4 motors per rocket)
- Nose Cone
- Motor centring rings
- 5mm Balsa Sheet or similar for fins \*
- Launch Lugs – x2 large Paperclips, rail guides (from vendors) or launch tubes (lugs)
- Shock cord Elastic for Parachutes from a haberdashery shop or market stall
- Parachute(s) from vendors – steer clear of the cheap nylon types
- Recovery Wadding
- Kevlar Thread use braided Kevlar thread from the internet, far cheaper
- 1 to 4 motors - incl. igniters & plugs
- Altimeter – you must ensure you know how to set it up for flight especially ESTES
- PVA glue, 5 or 10 minute Epoxy (optional), cyanoacrylate (super glue) (optional) – ***you can find this in Halfords, Pound Shop, The Range or Wickes***
- Sanding sealer + brush to apply for balsa fins (from local hobby shop)
- Glass paper / wet & dry paper – ***you can find this in the Pound Shop, Wickes or The Range***
- Craft knife, scalpel (optional). Cheap packs available from - ***you can find this in the Pound Shop or The Range***
- Solvents to clean brushes – ***you can find this in the Pound Shop or Wickes***
- Paint – ***you can find this in The Range, Halfords is good for car paint***
- Piano wire or nut, bolt and washer for motor retention - Teams can make their own motor retaining hooks from piano wire. Parts such as tubular launch lugs and motor retaining hooks are not expensive

\*alternatively, two thinner sheets of balsa wood glued with the grain in opposite directions