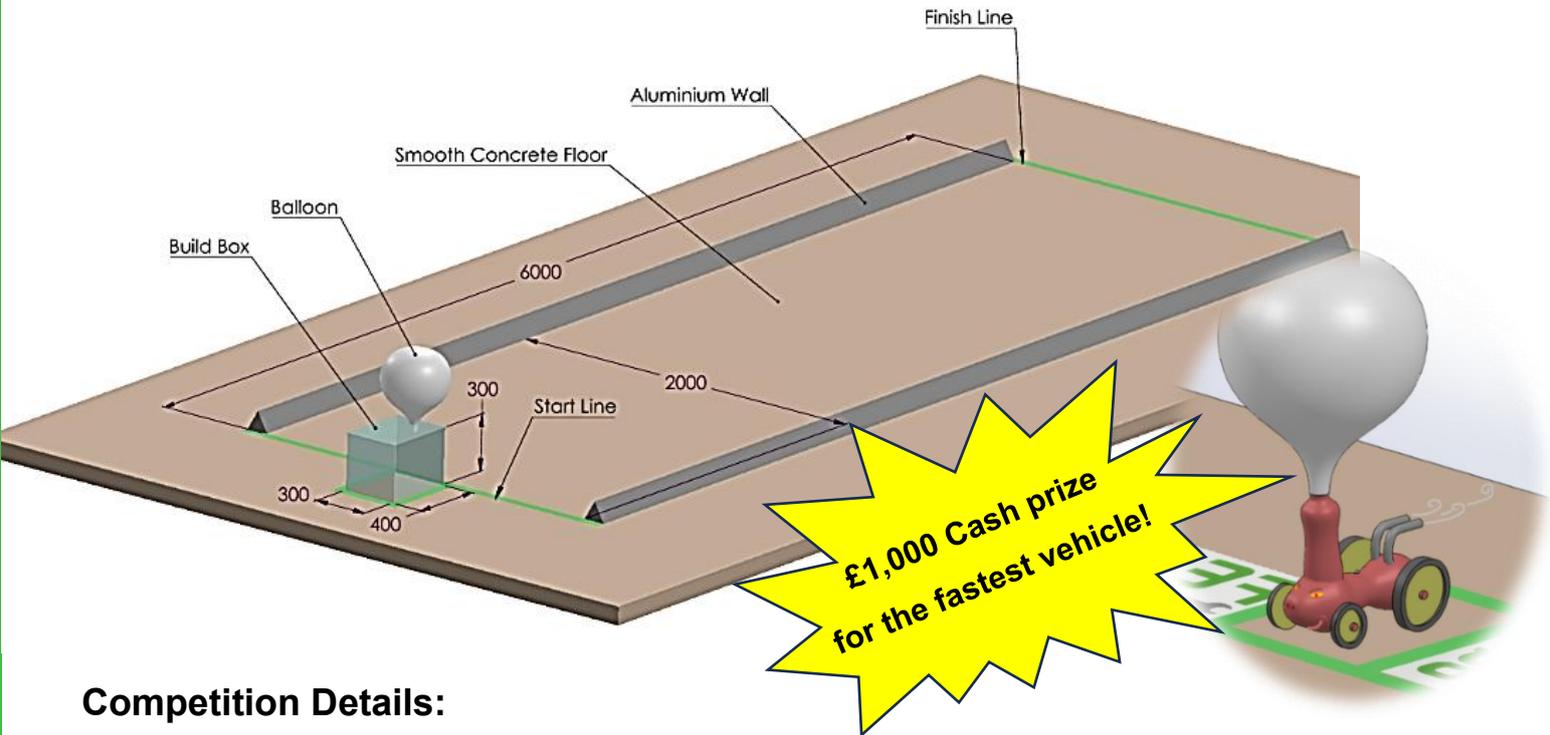


Fieldhouse Challenge: 'Balloon Racer'



Competition Details:

Event Overview	Contestants will make 3 attempts to complete the 6m long track and their fastest time will be taken as their final result.
Conditions	6m long and 2m wide track with aluminum barriers (60mm tall) these barriers are twin slot aluminum extrusion. The track surface will be a smooth concrete floor.
Vehicle Restraints	Max: 400mm Long, 300mm High, 300mm Wide. Vehicle weight (without the balloon) must be more than 150g (no min. weight for school entries) and less than 500g. Must have an accessible plastic bottle head (or similar) to attach the balloon on (dia. appx. 35mm). Entries from schools must be submitted by a member of staff who is to confirm that the vehicle has been built by the pupils.
Balloon Specification	The balloons used will be 18 Inch Latex Balloons which will be blown up to a diameter of 400mm.
Way to win	Get 100% of the vehicle and balloon across the finish line in the fastest time!
Energy Restrictions	You may only use the air pressure of the balloon and GPE for propulsion. There will be no re-setting of the vehicle in between rounds, except the balloon attachment.
Vehicle Starting Process	Vehicles will initially be placed in the starting areas and the balloon attached around the bottle head. The vehicle must stand stationary. The balloon will be pinched at its neck by hand. The timer will start when released.
Postal Address	Unit 7, Heathfield Industrial Estate, Taunton, TA2 8GR
Postal Deadline	Needs to arrive by the 17 th of July 2026 to stand a chance of winning. UK: We ask for £5 if you'd like it back. International: £15 if you'd like it back.
Cost to Enter	Free
Prizes	£1000 first place, £500 second, £250 third

Note that the competition will be completely remote - all vehicles are to be posted to us and we will record all the entries. The full results list will be available and published as soon as possible after the deadline.

'Fieldhouse Challenges' are organised and run by **Fieldhouse Engineering Ltd**, a UK Engineering Firm