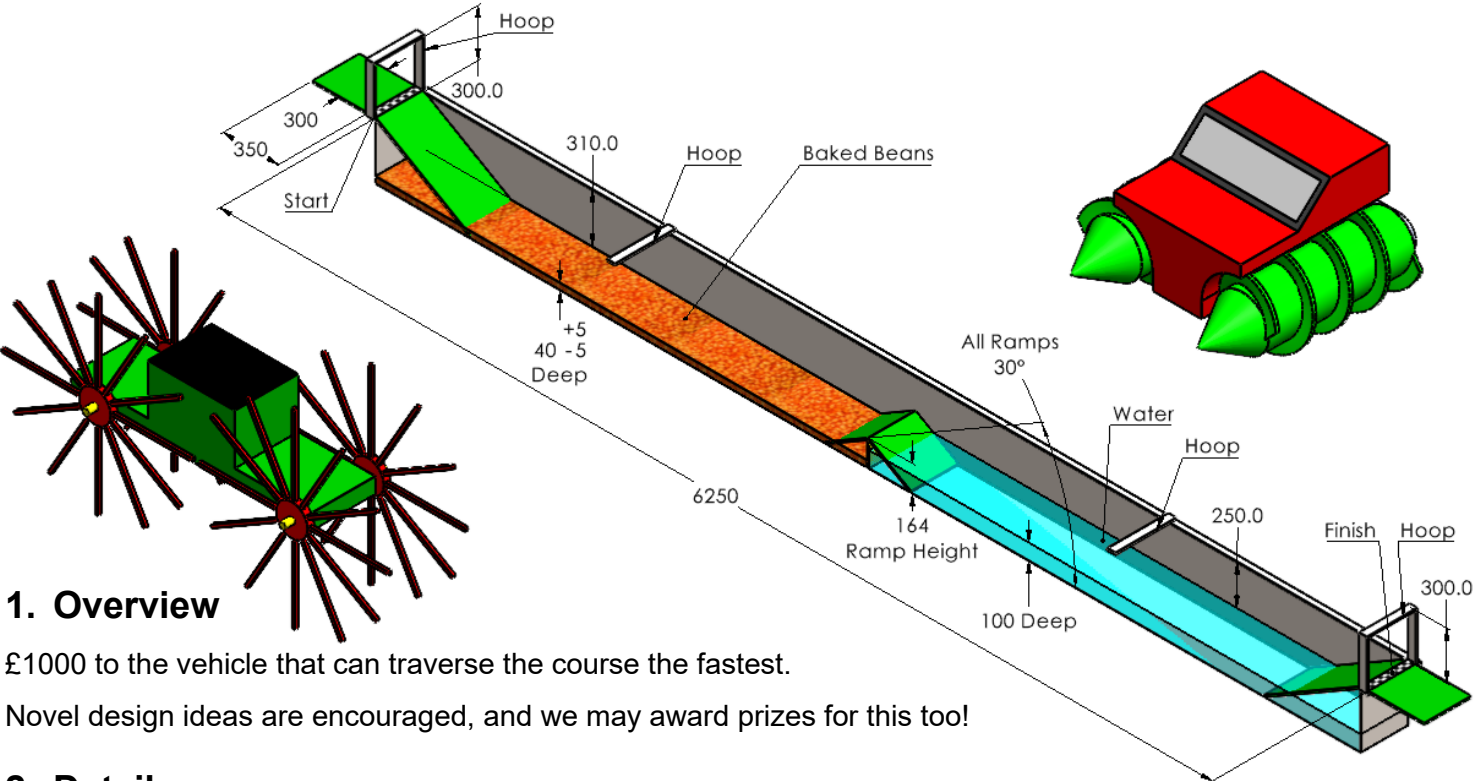


# Fieldhouse Challenge: 'Baked Bean Race'



## 1. Overview

£1000 to the vehicle that can traverse the course the fastest.  
Novel design ideas are encouraged, and we may award prizes for this too!

## 2. Details

Trough is Stainless Steel, 300mm wide, 350mm Deep and 6.25m Long - Image has one side removed for clarity on what is inside it.  
Baked Beans 40mm Deep and Water 100mm Deep will be at room temperature.  
Ramps will be rigid and topped with carpet – all 30 degree slopes.

**Race Conditions**

<b>Vehicle Size Limit</b>	350mm Long x 300mm High x 300mm Wide
<b>Race Distance</b>	6.25 meters – ~40% Beans, ~40% Water, ~20% Ramps
<b>Power Supply Restrictions</b>	3x New Duracell Simply AA 1.5V Batteries – These will be provided by us on Race Day, and the inserting procedure must be simple and intuitive. No stored energy on device is allowed, except the batteries - and the energy from the batteries can not be stored before the switch is flicked.
<b>Vehicle Timing Process</b>	Vehicle will initially be placed behind the start line and the switch in the off position. The time will start when the switch is flicked. The switch needs to be simple, accessible, and intuitive. Time stops when 100% of device crosses the finish line. None of the device can be left behind. Disqualification if vehicle doesn't go under or through the four hoops.
<b>Postal Address</b>	Lancombe, Brompton Regis, Dulverton, Somerset, TA22 9NT
<b>Postal Deadline</b>	Needs to arrive by the 2 <sup>nd</sup> of July 2021 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.
<b>Categories</b>	There are no categories, everyone will be competing against each other
<b>Cost to Enter</b>	Free
<b>Prize</b>	£1000.00

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