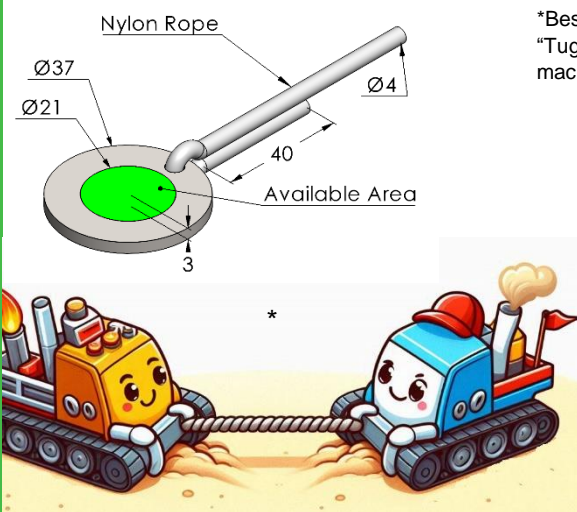
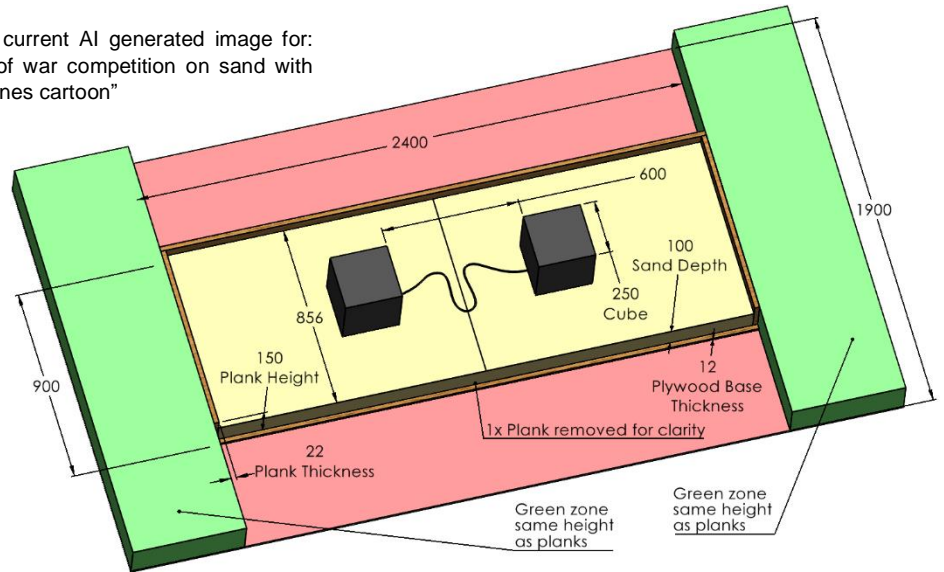


# Fieldhouse Challenge: 'Sand Wars'



\*Best current AI generated image for:  
"Tug of war competition on sand with machines cartoon"



## 1. Overview

Cash prizes to be won to the vehicles that can pull the best in the sandy conditions  
This will be a knockout tournament so make sure your vehicle can last a few rounds!

## 2. Details

<b>Event Overview</b>	Contestants will be paired off in a tournament style grid and compete head to head.
<b>Conditions</b>	Plywood base with 100mm of 'Tarmac's Kiln Dried Paving Sand' flattened evenly and contained within a wooden frame 150mm tall. A 1.5m long rope will be used to join the contraptions with washers each end.
<b>Vehicle Restraints</b>	Max: 250mm Long, 250mm High, 250mm Wide, 500g inc. batteries.
<b>Ways to win</b>	Get 100% of the vehicle (including the washer) into the green zone. Get your washer further from the centerline than your opponent after 1 minute. There will only be 1 attempt per round and winner will go through.
<b>Ways to lose</b>	Any part of your vehicle enters the airspace of the red zone. Rope detaches from vehicle or washer or the rope breaks. The rope can touch the vehicles but there must be an easy and quick (sub 1 min) way to untangle it between rounds. This may include a reverse switch.
<b>Power Supply Restrictions</b>	1 x New Duracell Simply PP3 9V Battery – These will be provided by us on Event Day, and the inserting procedure must be simple and intuitive. The Battery will be the only energy source. Energy can only change state after the switch is triggered. Batteries will be replaced with new ones after each round.
<b>Vehicle Starting Process</b>	Vehicles will initially be placed in the starting areas and the switch off. The timer will start when both the switches are triggered. The switch needs to be simple, accessible, easy to operate and intuitive. A 1 min reset time between rounds will be allowed, this is for unravelling rope only.
<b>Postal Address</b>	Unit 7, Heathfield Industrial Estate, Taunton, TA2 8GR
<b>Postal Deadline</b>	Needs to arrive by the 10 <sup>th</sup> of Jan 2025 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>Prizes</b>	£400 first place, £300 second, £200 third, £100 fourth

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