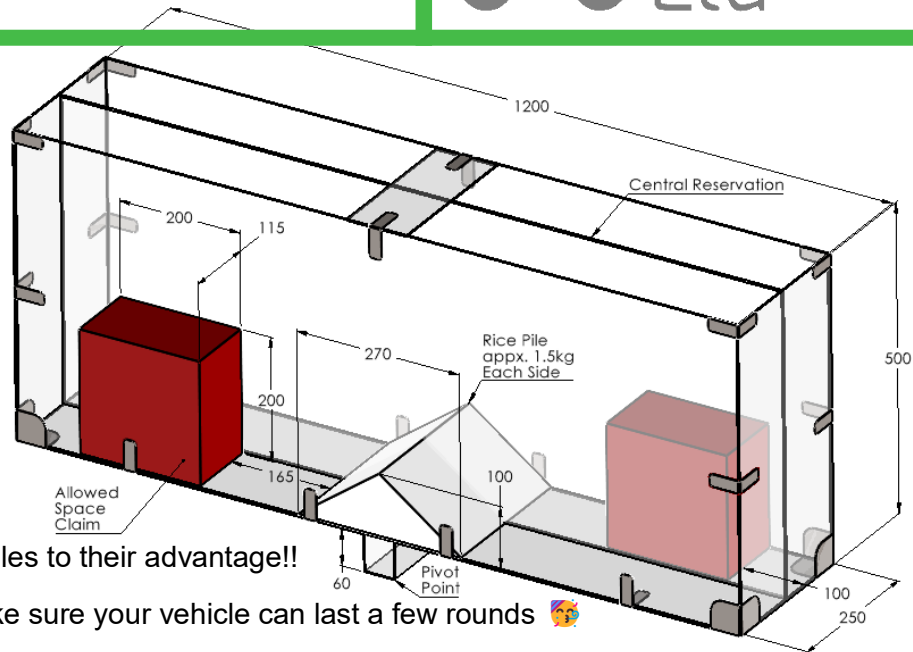
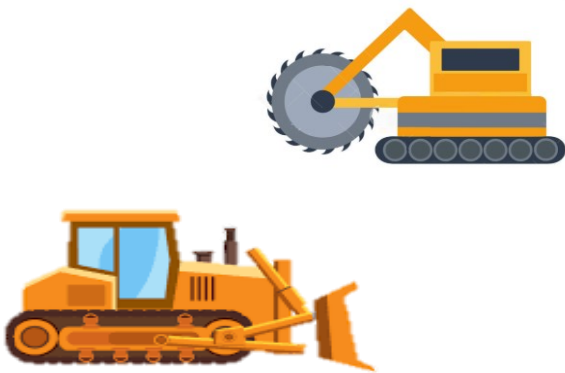


# Fieldhouse Challenge: 'Rice Rocker'



## 1. Overview

£1000 to be won to entries that can tip scales to their advantage!!

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 randomly at each stage, there will be house bots to ensure everyone does the same number of rounds.
<b>Conditions</b>	Clear, acrylic box with measurements as above and as per this CAD model: <a href="https://grabcad.com/library/feng-challenge-008-rice-flinging-3d-model-1">https://grabcad.com/library/feng-challenge-008-rice-flinging-3d-model-1</a> All rice will be piled in the central area as shown.
<b>Vehicle Restraints</b>	Max: 200mm L, 200mm H, 115mm W, 500g inc. battery, 1 Entry per person.
<b>Ways to win</b>	Not lose.
<b>Ways to lose</b>	After 1 minute your starting end touches the ground. Damage the arena (Minor scratches are fine). Any part of entry exits the acrylic enclosure. (The loser gets knocked out and doesn't progress in tournament)
<b>Power Supply Restrictions</b>	1x New Duracell 'Plus Power' 9V Battery – This 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 apart from GPE. Energy can only change state after the switch is flicked. Battery will be replaced with new one 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 flicked. The switch needs to be simple, accessible, and intuitive. (Pull tabs are encouraged) There will be no manual resetting any part of the vehicle between rounds (except batteries). We will allow for a 1 minute, switch activated 'Resetting time' to allow the entry to resize into the space claim for the next round.
<b>Postal Address</b>	Unit 7, Heathfield Industrial Estate, Taunton, TA2 8GR
<b>Postal Deadline</b>	Needs to arrive by the 6 <sup>th</sup> January 2023 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>	First: £400, Second: £300, Third: £200, Fourth: £100

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