



## Framlingham Town Council – Gravity Go Cart Race 2017

### Rules:

There will be 3 classes of entry:

Primary School Age; Secondary School age up to 16; Adult

There will be a handmade trophy for the overall winner and prizes for the other 2 classes plus a prize for the most imaginative cart.

The cart can be entered in more than one category and can have up to 3 different drivers of the correct age. However it is the cart that scores the points, not the individual driver. I.E. The same cart cannot be entered twice in the same category.

Each team should nominate a captain.

All individual drivers must sign the disclaimer.

Applications to enter can be made on the day, but numbers are limited so early entry is encouraged.

Sponsorship and advertising is encouraged.

Every team must accept the rules of the course and the technical and safety regulations.

Registration of applicants and scrutineering will commence at 11.30 hrs on the day of the event.

Approximate timings are:

Junior scrutineering at the PA tent from 11.30 am

Juniors practice and racing on the short course: 12.00 to 1.00 pm

Senior scrutineering 1.00 pm at St Michael's Rooms

Seniors practice and racing on the full course: 1.30 pm to 4.00 pm

The Scrutineers will appraise the carts and check them for safety and reliability prior to being allowed on the course. Scrutineers may direct competitor to make modifications for safety or other reasons. Failure to comply will incur disqualification and the scrutineers' decisions are final.

Each cart will individually complete a straight-line brake test. If there are any doubts concerning a particular cart it will carry out a single run of the complete course.

Thereafter there will be 2 carts per race. Any cart that crashes more than once may be liable for exclusion to future heats.

Any contravention of the rules may lead to disqualification or penalties.

No driver shall drive under the influence of alcohol.

The organisers reserve the right to refuse entry to any team without explanation.

Their decision will be final.

The Full Course:

The pits/collecting area will be the St Michaels Rooms car park.

The course will start outside the entrance to St Michaels Rooms. The driver must be securely seated inside the cart at the start and up to two members of the team may push the cart, whilst standing still, from within the defined starting box.

The course will follow a defined route down Church Street and Market Hill with a finish line outside Bill Bulstrode's shop. After passing the finish line, carts must slow down to a walking pace in a straight line and only then proceed to the parc ferme post run area in the Co-op Staff Car Park.

Carts should be carried back via the churchyard

The race organisers will record all runs and a scoreboard will display results.

Marshals who will be supplied separate briefing notes will staff the course.

The Course will be checked prior to the racing and then subsequently between each round of races.

The Junior Course will run from the Chemist Corner down to the same finish as the full course.

#### Technical Regulations:

The cart shall carry only one driver at a time.

The driver must be seated with feet first

Maximum Length 7' (2135mm), Maximum width 3' 8" (1120mm)

Minimum eye height 2' 6" (762mm) measured from driver's eye line when seated to road surface

Maximum weight 40kg not including driver.

All carts must have four wheels with pneumatic tyres or solid pram type wheels.

All wheels should be in contact with the road at all times.

All spoked wheels should have a cover or be taped to prevent trapped fingers or limbs

Carts must have a good working braking system operating on at least the two front wheels or the two rear wheels.

There must be no means of propulsion other than gravity, i.e. no motors or pedals etc.

The name or identification of each cart should be prominently displayed upon it.

All carts must have a white square of 200mm prominently painted or fixed to the bodywork. A number will be given and displayed on the cart once it has passed scrutineering.

#### Safety Regulations:

All team members will be required to sign a disclaimer at the time of Registration.

Drivers must wear an approved Motor Cycle Crash Helmet and Leather gloves. Ideally they will also wear motorcycle leathers or similar protective clothing and padding. No bare limbs are allowed.

Seat belts are not compulsory. If they are fitted then the cart must have a four point fixing and also a substantial roll bar 1.5" (35mm) above the driver's helmet and a second roll bar extended at least 1" (25mm) above the driver's gloved hands when placed at 12 o'clock on the steering wheel.

All carts must have a reliable steering mechanism capable of negotiating the bend on the market hill.

All carts must be of robust construction and have no sharp edges, protuberances, or objects such as steering columns or brake levers liable to cause injury, especially puncture injuries.

The use of materials such as Perspex or glass that may shatter is banned.

Bodywork and controls must not impede the driver in exiting the vehicle unaided.

Any doors or latches required for driver access must be readily operated from inside and outside the vehicle without the use of tools!

#### Notes:

The course is designed to test not only the straight line speed of the cart but also the handling and agility – bear this in mind as you prepare your cart.

The heaviest weight on the car is the driver and this will affect the centre of gravity on the high speed corner!!

For clarification, help or advice, please call Spadge Hopkins IEng.MIET on 07831 843 922