



Aylesbury Town Council

Aylesbury Soapbox Derby, 2021

Information and Details

The Event

The sixth Aylesbury Soapbox Derby will take place on **Sunday 20th June**, Father's Day, from **11am until 4pm** at **Whitehill Park**. It is a time trial event for gravity powered homemade karts, competing along a 100m, tarmac path with gradual decline which has curves and sections of steeper declines. It will be a push start, down ply-wood slope. Each kart will make three timed runs of the course and the final positions will be determined by the total time recorded for the three runs – a 15 second penalty will be incurred should the kart driver request a push from your own race crew. There are 2 separate categories Juniors (15 and under) and Seniors (16 and over) this refers to the driver of the kart, the Construction and Race Team can be of any combination of ages. We encourage imaginative, bright designs for your karts, sponsorship and logos are permitted.

Aylesbury Soapbox Derby is a free event, with no entrance fee to participate or attend on the day. In addition to the races there will be **free family entertainment**, including music from DJ Dan Blaze and lots more.

All karts must be **registered by Sunday 30th May 2021**, and comply with all the items listed in the Technical and Structural Regulations, Conditions of Entry, Race Team Safety (shown over) and pass the scrutineer assessment to be able to compete. Numbers are limited to 30 karts, please register early to secure your place. These rules are mandatory, any prospective competitor refusing or failing to adhere to the rules will not be allowed to compete. They have been designed for your safety and the safety of spectators. Aylesbury Town Council reserve the right to amend these rules, to go above and beyond their guidance to ensure the safety of all involved. The Team Captain who signs the Registration and Participation Forms does so on behalf of their entire team and is responsible for making sure the entire team has read, understood and adheres to all of the rules.

Important event information will be sent to you upon receipt of your registration. It is imperative that you read and understand all of the information and details given.

If you have any questions arising from these rules and regulations please don't hesitate to contact Ruth Mayhew at Aylesbury Town Council who will be happy to help and advise you by calling 01296 425678 or email ruth.mayhew@aylesburytowncouncil.gov.uk

Prizes will be awarded for

- The fastest combined time of three runs – Junior Driver/s (15 years old and under)
- The fastest combined time of three runs – Senior Driver/s (16 years old and over)
- Best looking car – voted for by spectators on the day

Event Timings and Logistics

It is recommended that you visit the site before the event day.

10:45 Arrive with your kart and deliver to the designated Drop Off Zone at Whitehill Surgery car park. Due to the small venue car park, participants will then be directed to park at a designated participant car-park, slightly off site (2min walk). Further information will be supplied upon registration. Team Captain to register the kart and team at the reception desk, completing the Participation Form. Kart will be checked by scrutineers for compliance with all the specified Rules and Regulations. "Pit Hill" will be marked with bays and kart numbers, please use this space for your kart.

PLEASE DO NOT ARRIVE BEFORE 10:45 – we won't be ready for you! ☺

You must be registered and through scrutineering by 11:30 at the VERY latest

11:15 Test runs. (not timed) (any order)

12:00 Races start. (in numerical order). It is planned to start each heat "on the hour" at 12noon / 1pm / 2pm Each kart has 3 separate timed runs, with teams taking it in turns.

Race order and numbers to be supplied on the day.

Dependent upon the number of karts taking place we expect the prize giving ceremony to be at approximately 3:15 - 3:30pm. Please note this may alter on the day.

Rules and Regulations

Technical and Structural Regulations

1. Gravity propulsion only – i.e. no motors, no pedals and no stored potential energy
2. Maximum external length 2.2m. Maximum external width 1m
3. Wheels can be of any material and unrestricted diameter, but must be contained within the 2.2m x 1m maximum dimensions.
4. No protrusions of any kind will be allowed outside these dimensions.
5. Working brakes that effect 2 wheels on the same axle must be fitted and tested.
6. Karts must have effective steering to navigate the curves in the route.
7. Materials which might shatter on impact are not permitted.
8. Kart must carry one person, seated, feet facing forward.
9. No exposed sharp corners will be allowed if considered unsafe.
10. All items must be securely attached to the kart. Anything that is likely to fall off will be removed.
11. Covers may be attached to the chassis but must be considered safe and secure on inspection.
12. A padded steering wheel is recommended.
13. No adjustable suspension e.g. Camber, tow, steering, castor or K.P.I.
14. No additional ballast is allowed in the cart
15. Where possible the bodywork and chassis should be constructed by the team using recycled or natural materials.
16. **All karts must be safe. Any karts believed to be dangerous to the public or the participant will not be allowed to race.**

Conditions of Entry

1. A Team Captain is to be appointed (who must be at least 18 years of age on 20/06/2021) to sign the Registration Form (in advance) and Participation Form (on the day).
2. The Team Captain will be responsible for the entire teams' compliance with all of the rules and regulations.
3. There is no limit to the number of people in the construction team.
4. The "Race Team" will consist of 1 driver and 2 pushers for each run.
5. Any team member can be part of the Race Team, this can change for the three runs. However, all names and signatures to be provided on the Participation Form at the start of the event.
6. Any Race Team member under the age of 18 on 20/06/2021 must have the written and signed consent of their parent or guardian on the appropriate section of the Participation Form.
7. No changes to the kart after scrutineering, apart from repairs.
8. Teams are responsible for the ongoing risk assessments of their kart throughout the event and are obliged to report any risk to the scrutineers.
9. **The organisers have the right to refuse entry or withdraw any team if the kart or Race Team, in the organisers opinion, pose a threat of injury to either themselves or others either before or during the event.**
10. Winner of Best Looking Kart cannot be included for votes the following year, unless at least 50% of the visual look of the kart has been changed.
11. Fastest Junior or Fastest Senior can be won by the same team and kart for two consecutive competing years. If entering for a third (consecutive) competing year it must be an entirely new kart or abstain for 1 year allowing return the following year. This only applies for first place in each age category.

Race Team Safety

1. Driver to wear a crash helmet with the chinstrap secured. Full face helmets are recommended. Legs and arms must be covered. The wearing of gloves, along with elbow and knee pads are compulsory to race.
2. Driver to remain seated and facing forward at all times.
3. Race Team must abide by reasonable instructions given by the event officials or marshals in the interest of safety and the smooth running of the event. This includes breaking after the finish line.

How the Race is Run

1. Each team is allowed 1 practice run, this will NOT be timed.
2. The Race Team will consist of 3 people. 1 driver and 2 pushers. These are the only people allowed in the push & stop zone. Driver can change for each run, but must remain within either the Junior or Senior category.
3. The "push zone" is at the top of a hill, pushers are permitted to accelerate the kart down the designated area, and must release at the designated line. Pushers are permitted to follow the cart, should a push be required along the route (if the kart stops) – a push re-start will incur a 15 second time penalty. Pushers must walk down the grass at the side of the ramp – NOT on the ply ramp.
4. After crossing the finish line drivers must apply their brakes, slow down and enter the Stop Zone, before returning to Pit Hill

