

# **UCA Pathfinder Fair 2026**

## **Soapbox Derby Event**

### **Building Instructions:**

1. 1 car for every 10 or fewer pathfinders
2. Car should be of an original design of club choice & assembled by the Pathfinders as a club project
3. Maximum width not to exceed 36" including wheels
4. Maximum length = 80"
5. Maximum height = 45"
6. Primary building material will be wood
7. Car is to have a push bar of a workable height but no wider than 40"
  - a. Must be strong enough for 3 pathfinders to push on
8. All cars must use **PATHFINDER POWER ONLY**
9. Cost should not exceed \$150
  - a. Used parts are encouraged
10. Wheels
  - a. Not to exceed 12" in diameter
  - b. No restrictions on width of wheels
  - c. Wheel bearings and bushings are allowed
11. Axle should be at least 1/2"
12. Must have a workable brake
  - a. Drag type is allowed
    - i. Either to drag on a wheel or on the ground
    - ii. Brake should NOT tear the sod
13. Must have workable steering
  - a. Car should turn a full circle in a 20' diameter
  - b. Full pivotal front axle steering might be easiest
14. Car must have full floor boards
15. Interior must be free of dangerous obstacles
16. Flag
  - a. Car must have flag pole socket on left front corner
  - b. Flag should be made of cloth with the club name & emblem
  - c. Flag pole dowel should be 2' tall
  - d. Flag pole should be easily removed
17. Club name must be on the side of the car with letters at least 3" tall

### **Safety Gear:**

1. Driver and pushers **MUST** wear helmets (bicycle helmet)

## **Race Course:**

1. Course will cover various surfaces including dirt, sod, pavement & possibly gravel
2. You will need 2 drivers and 4 or 6 pushers
3. Small clubs may join forces with other clubs
4. There will be checkpoints where the drivers and pushers switch out

## **Awards:**

1. Several special awards will be given
2. Example: an award will be given for the lowest price car that makes it through the course, best crew costumes with car, best car design that goes with the fair theme, peoples choice, etc.

## **Static Display:**

1. All cars will be on static display through the weekend
2. All cars will be judged and raced
3. Each car will display a printed list including:
  - a. Materials list
  - b. Pathfinder hours to build
  - c. Names of the Pathfinder builders
  - d. Cost to build

## **Static Display-Historic:**

1. Clubs are encouraged to bring their historic cars from 2011 and earlier
2. Historic cars will be on static display and not raced

## **Online Plans: Ideas.....**

<https://www.bing.com/images/search?q=homemade+Soap+Box+Derd+y+Car&form=HDRSC3&first=1>

There are also many videos on YouTube of different style and types of cars.  
(We will email this out so you can click the link, also.)