



FunFest 2026
Alex Cameron Metric 500
Fastest Competition Rules
Middle School and High School



Objective: The objective is to design, build, and race the fastest model dragster.

Judging

Participants: 10 teams per school, with 2 members per team.

Submission: All submissions must be delivered to Sandhills Community College (by school personnel) on Wednesday, April 1, 2026, to Little Hall, Room 153. Cars must be marked with school name and student name(s) for identification.

Judging Location: Parking lot in front of Sirotek Hall

SCC Judge: Brian Garner, Department Chair, Transportation Services and Associate Professor, Automotive Technology and Coordinator, Collision Repair & Refinishing

Notes: 8-gram CO2 cartridges will be purchased by MCS/Business Sponsors. Sandhills will provide the track, start gate and timing gate.

Determining the winner: Fastest car placement for both the Middle School and High School divisions will be determined by double elimination time trials (if time permits).

Competition Rules: Metric 500 Fastest Competition

1. All cars must be made from basswood blank (you can purchase these from PITSCO and other vendors).
2. No drawing is required.
3. For cars that **ARE** racing (**Fastest Competition**):
 - Cars must have 3mm of wood around the CO2 chamber.
 - The car width at the front and rear axles must be a minimum of 35 mm.
 - The minimum car mass without the CO2 cartridge is 45 grams.
 - The minimum wheelbase 105 mm, with a maximum of 270 mm.
 - The overall car length will be 200 mm minimum.
 - The minimum Screw Eye spacing (distance apart) will be 155 mm minimum, with a maximum of 270 mm.
 - No accessories may be added to race cars, as they may come off during racing.
 - Cars must have 4 wheels.
4. All cars which race will participate in time trials.
5. Double elimination, if time permits, will be used for the top eight cars from the time trials to determine the winner. All efforts will be made to match cars from different schools in the opening bracket.