



**FunFest 2025**  
**Alex Cameron Metric 500**  
**Fastest & Coolest Competition Rules**  
**Middle School and High School**



**Objective:** The objective is to create basswood cars made for one of two categories: Fastest and/or Coolest.

### **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 Thursday, March 25, 2025, to Little Hall, Room 153. Cars must be marked with school name and student name(s) for identification.

**Judging Location:**

Fastest Competition: [FunFest Map](#)

Coolest Car: Cars will be on display at FunFair

**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). The Coolest car placement for both the Middle School and High School divisions will be determined by a visual inspection by the judges.

### **Competition Rules: Metric 500 Fastest Competition**

*Rules Revised/Checked: 07/15/2024*

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.

### **Competition Rules: Metric 500 Coolest Competition**

1. Show cars (design only) 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 not** racing (**Coolest Competition**):
  - Cars for show do not require holes for a CO2 cartridge.
  - You may not add accessories to cars that are entered in the Coolest competition (i.e. extra parts, bling items, etc...)
  - Show cars must have 4 wheels.
  - One piece construction is required (i.e. no glued attachments allowed), however axles can be attached via a straw which can be glued to the car  
*Judges will perform a visual inspection of cars to determine placement.*