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Cottonwood Valley Charter School Soapbox Derby Program

The Soapbox Derby project will involve 6th-8th grade students at Cottonwood Valley Charter School paired with Mechanical Engineering majors at New Mexico Tech. Four teams of middle school and college students will collaborate in an afterschool activity to plan, design, build, test, and refine soapbox derby cars that are raced in an on-campus New Mexico Tech event in April 2019. All soapbox derby cars will be built according to pre-determined rules and specifications that ensure driver and vehicle safety. Through this experience, the middle school students will have the opportunity to learn and apply design principles, a core part of STEM education. The middle school students will deliver a brief presentation of their progress at the Mechanical Engineering department's Design Conference in December 2018. After this initial year of the project, the event will be extended to include additional middle schools in the area.

Details

Ages: Children and Youth

Races: All

Genders: All

Intake Process: Walk-In

Payment Options: Free

Waiting List: Limited Slots

Minimum Age: 11

Maximum Age: 14

Contact: Cottonwood Valley Charter School Soapbox Derby Program

Contact Email: julie.ford@nmt.edu

Capacity: 20 students

Services

Schools (K-12)

Locations

Cottonwood Valley Charter School

201 Neel St.

Socorro, NM 87801

Mailing:

PO Box 1829

Socorro, NM 87801

Phone: (575) 838-2026

Fax: (575) 838-2420

Geographic Area Served: Socorro County

Parent Organization

Cottonwood Valley Charter School

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Primary Contact: Julie Ford

Contact Email: julie.ford@nmt.edu

Type: Nonprofit

EIN: 85-0477879

<http://www.cottonwoodvalley.org>