

SAN JUAN NM REGIONAL SCIENCE & ENGINEERING FAIR

JUNIOR AND SENIOR DIVISION

ABSTRACT & CERTIFICATION

TITLE: Recycled Go-kart

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Grade Level: 11

Type the Body of Your Abstract Here (250 Word Maximum)

Have you ever asked yourself if you could build a go-kart of your own? Well we did! First we had to decide how we wanted to build it. We made the decision to buy an old go-kart and bring it back to life. In order to do that, we needed an engine for the go-kart to run under its own power. Our plan was to use the engine out of an old ATV, and any other parts that we could, (Tires, Ignition, lights). We cut the section of frame that the engine was in out of the ATV. This way we didn't have to deal with the mounts not lining up correctly. After that we bolted it into our go-kart frame. But to make it run under its own power we still had to connect the engine to our axle, and we can't forget the throttle cable, brakes, and fuel source. The monster of a go-kart that we built has lots of wires to make it work just like an ATV. After a couple, very funny and interesting test drives, we had to improve the brakes, heat shield (for the seat not to burn up), and two metal tubes on each side of the axle to prevent it from shifting side to side. After all that work, we took it for a long test drive out in the snow, and ended up bending the axle, so we can't drive it until we fix our one of a kind go-kart / buggy.

1. The student independently performed all procedures as outlined in this abstract Yes No
2. This project is a continuation. Yes No
3. This project is being presented at SJRSEF NMJAS Paper Competition

I hereby certify that the above statements are correct and the information provided in the Abstract is the result of one year's research. I also attest that the above properly reflects my own work.

Isaac Greer

Bente Mull

Student's Signature

2/20/22

Date

