

# THE CBI NEWS

MARCH/APRIL 2024

## The Clock is Ticking!

It's hard to believe that the 2023/2024 school year is almost over. We have accomplished a lot but there is still more to do. Below, you will find updates on the projects that students are working on, which they hope to complete before the end of the school year. If the racer project goes well, we will be going on a field trip to test it out next week. Are you sure the school year has to end next month? Seniors at CBI have until May 23,

## Camel Project

Our project, The Camel, needed a new fuel tank, but we couldn't find a replacement. We looked everywhere until we found a solution at the Collision and Refinishing program on campus. They created a new tank for us, and it fits perfectly. They did an excellent job, and only an expert could spot the difference between the old tank and the new one. The Camel project is almost finished, and we plan to complete it by the first week of May. After that, the owner of the museum will take it home. You can see updates on The Camel project by clicking [here](#). You can see the latest updates on the Camel project by clicking [here](#).

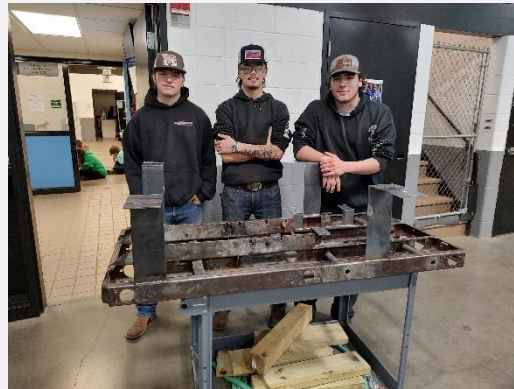
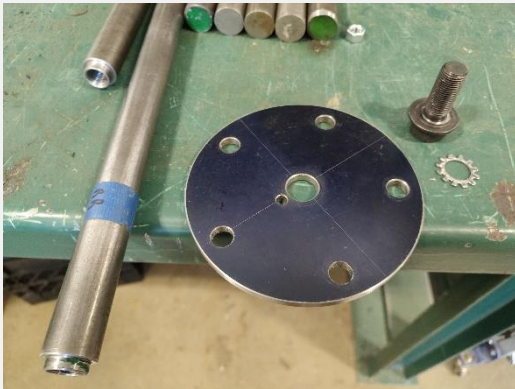


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## Racer Project

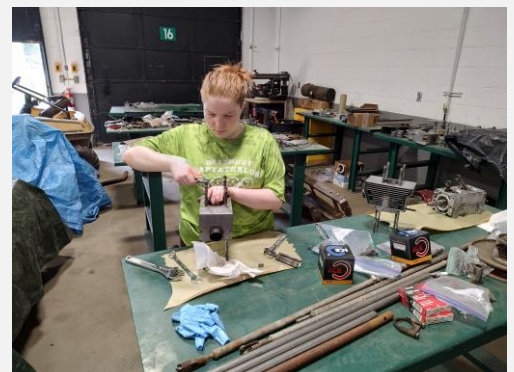
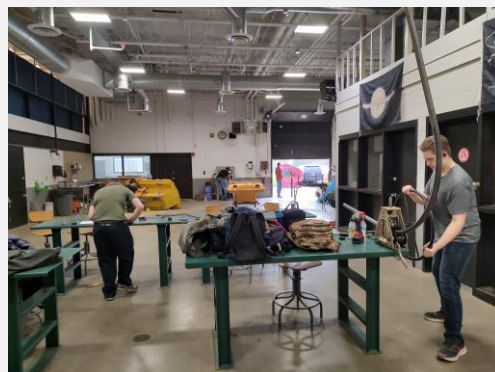
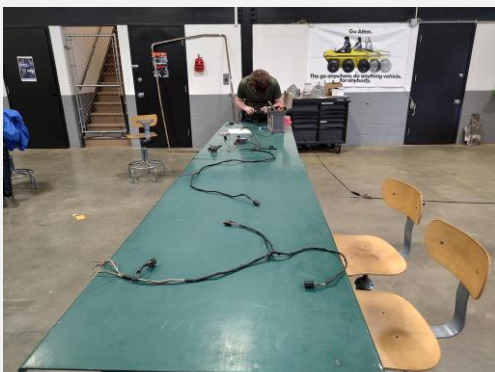
We have collaborated with the Advanced Manufacturing Program to create new axles and wheel hubs. These designs are completely new and we are very excited to see how they perform. Instead of using bolts through the side of the axle, these new designs use a bolt at the end to hold the wheel hub in place. Additionally, we have also collaborated with the Welding Program to fabricate seat and roll cage brackets, as well as reinforcements for our wheel hubs. They have also welded all of our wheel studs and bead locks in place. The Welding Program did an excellent job and saved us a lot of time in the CBI program. You can see the latest updates on the racer project by clicking [here](#).



## After School Project

The CBI program initiated an after-school project to refurbish a US Army Combat Vehicle Simulator. The group convenes every Wednesday after school from 2:08-4:00. Due to the severely deteriorated condition of the body, two donors' bodies were required to be located and then subsequently cut and plastic welded together. This part of the project consumed more time than expected, so some CBI students undertook plastic welding during the school day to help the group.

The team has been working tirelessly and the body of the vehicle is almost complete. It is expected to be ready for paint in a week or two. Additionally, the wiring has been restored and the engine has undergone a complete overhaul. The group also worked collaboratively with the Advanced Manufacturing program to redesign the axles and wheel hubs. Although it may not seem like much at the moment, the improvements will be significant and noticeable in a short span of time. You can view the progress of the project by clicking [here](#).



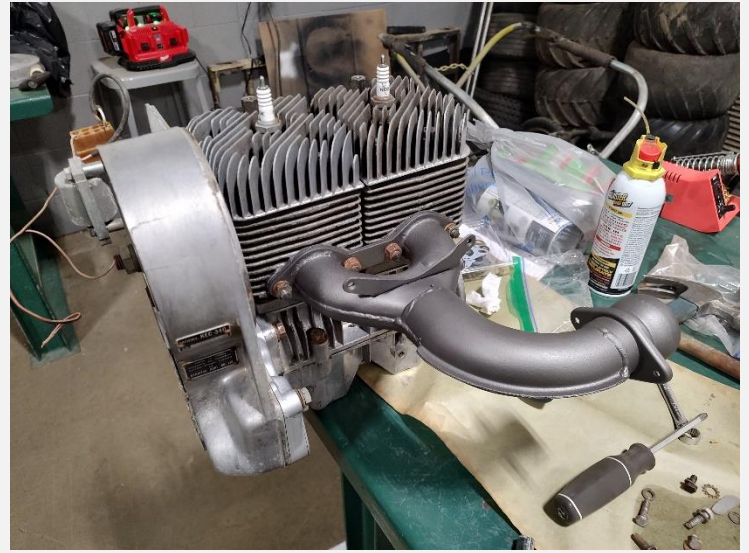


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## **Alsport Trike Project**

The trike is a unique project that students work on when they have some free time. It was the first project started and is expected to be the last one finished. There hasn't been much progress on the trike itself, but one of the students took an interest and rebuilt the engine. There is no hurry to complete this project, but once it is done, it will surely be magnificent! You can see the latest updates on the trike project by clicking [here](#).



**You can see updates on all of our projects by going to the CBI programs web page at**

**[www.mrdaviscbi.com](http://www.mrdaviscbi.com)**

**CBI**

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