

Bridging the Gap:

- Many of the Applied Technology students have participated in the various bridge competitions that happen every year.
- The spaghetti bridge competition is held at Ferris State University every year. This year we have two teams participating and will go up in March for the two day event.
- Throughout the year teams will be practicing and building bridges not to mention writing essays and creating presentation to the bridge the teams have chosen. The MDOT bridge competition is held in Lansing every year. Teams are instructed to write a report proposal before they go to Lansing with their bridges to be tested. Some teams are not accepted after the report and they are out. But if teams are accepted then they travel to Lansing to test their bridges.
- **Some Things we do:**
 - * Reports
 - * Presentations
 - * Authentic Design
 - * Weight Bearing and Testing
 - * Research
 - * Documents
 - * Run meetings
 - * Fundraise

Applied Technology & Design



KIVD Reviewing Car



Kenowa Hills Applied Tech Mini Innovative Vehicle Design Team

Quickly Said

The Applied Technology & Design (ATD) program has been very busy the first quarter of the year. Helping with the fall blood drive, hosting a Career Knight, setting up class presentations and visit, and registering and establishing competition teams. The fall blood drive collected 58 units. Make sure to set aside January 15, 2014 for the winter blood drive that the Applied Technology & Drafting program will be hosting. The end of October the group hosted the Career

Knight where several colleges, universities, and businesses were present to meet and communicate with parents, students, and each other. There is discussion to possibly host another in the spring. The ATD will also be hosting an advisory meeting in December. For the first few months we have had several guest speakers and opportunities to learn more information for the program to participate and contribute to.



Competitions

Many students have signed up for the Annual Spaghetti Bridge competition, and others have signed up for the MDOT Bridge competition. The students are working hard this year on their individual projects and

drawings. For example, one student is working on drawing and then building a fish tank and stand for the annual MITES competition. The sixth hour class has started working on the RC challenge competition.

2nd hour is also cutting and making small wooden shapes for the elementary school teachers. We also have students participating in skills USA and ASBE.

People that are making an impact on the ATD program.

- ∞ Mr. Bloem from Endeavor Building Systems came in and spoke about the community events he is hoping our ATD will be able to support and contribute to.
- ∞ Mr. Breitles from Kenowa Land Surveys came in and demonstrated surveying to the advanced drafting students, the hope is to use the data points he collected from surveying the front lot of the high school to do some building design and presentations.



Advanced Drafting Students
Learning About Surveying

What has Mr. J been up to?

- ∞ Mr. Johnson has been to Detroit and Lansing for conferences and presentations put on by Chrysler, Skills USA, and Project Lead the Way in attempts to establish new projects and connections to help build and promote the program.

What the Applied Technology & Design team has been doing.

- ∞ Students have been creating wooden shapes to present to the Elementary 2nd grade students for use on geometric shapes and math concepts. The presentation will be given by Thanksgiving break.
- ∞ Several students are working on the American Society of Body Engineers competition design that will be done by February
- ∞ There are two teams of Spaghetti Bridge that will be competing in March at Ferris State University.
- ∞ There are nine teams preparing proposals for the MDOT bridge competition that are due by February, and nearly 20 students signed up to compete in several different categories of Skills USA; regional's will be in February.
- ∞ In May there will be both the Innovative Vehicle Design team, and MITES competitions.



Wood Shapes in Production