



Show and Tell

Think of this as an enormous progress report.

The media section is the section that runs the social media websites, writes the Gearheads Gazette, and helps safety by creating animations and comics. The captain of media is Anna Karcher, '15, and the members are Josh Kozakowski, Erica Powell, Alanna Sparks, London Cavaletto, all '15, Audrey Kam, Abbey Ferry, both '16, and Grace Cupolo, '18. This is the third issue of the Gearheads Gazette, which features all the sections of the team. We have also recently updated our website to a more "user friendly" set-up. We try to keep constant updates on our social media accounts. The team has a Twitter, Instagram, and Tumblr, and all have the username FRC1189. We also have a facebook page, FRC 1189 - The Gearheads. We are hoping to make the social media aspect of the team more prominent.

THE GAZETTE IS NOW INTERACTIVE. CLICKING ON ANY BUTTON, SOCIAL MEDIA ICON, OR TEAM NAME IN THE BOX AT THE RIGHT WILL NOW REDIRECT YOU TO THE CORRESPONDING WEBSITE OR PAGE.

select a team to view content
build
controls
design
fabrications
safety

Follow Us:



Team1189Gearheads



@frc1189



FRC 1189 - The Gearheads

CONTROLS AND DESIGN

PRESENT THEIR UNIQUE RETENTION CLIP

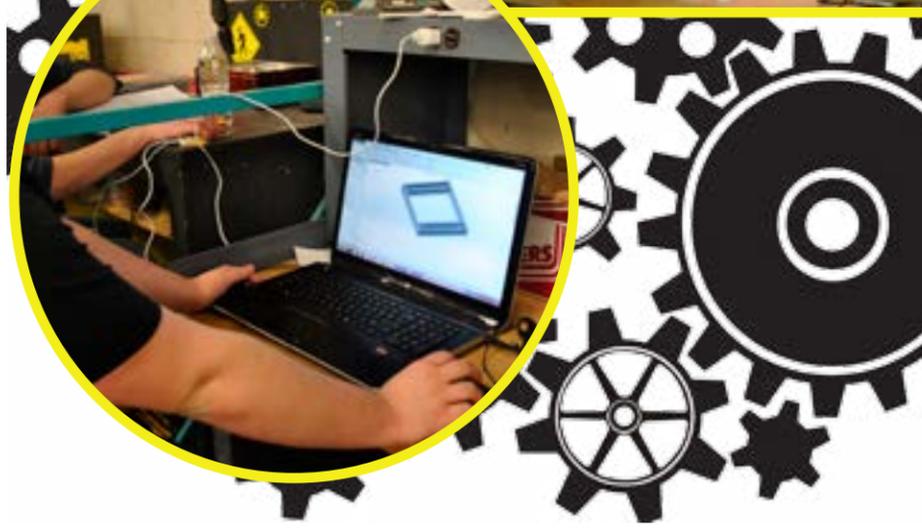
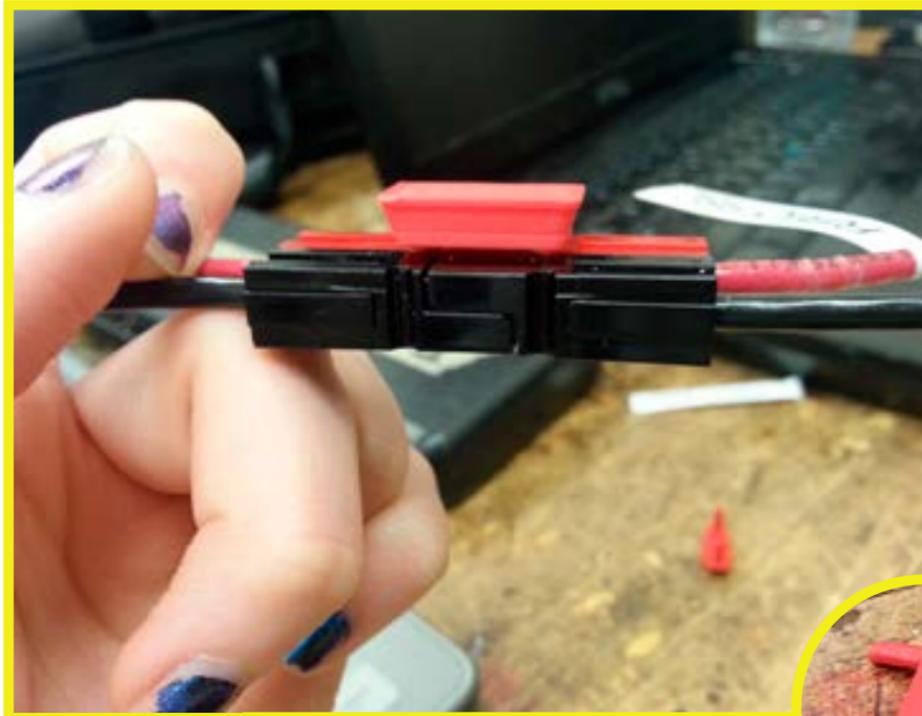
In general, Controls is in charge of the wiring and programming of the robot, so it wouldn't be unusual to find them troubleshooting things and fiddling with wires. And typically Design is only in charge of CADing parts for Fabrication and Design, but this year they teamed up with Controls. With the help of the team's new 3D printer, they made their own solution. This tiny red device will be an immensely important part to the robot. It is meant to fix two wire connectors to each other.

These wires (shown left) connect the talons (devices that regulate voltage) to the motors and to the distribution block (a device that takes electrical current from a single source and distributes it to other devices within the circuitry).

So basically, if these wires come unplugged, we're in big trouble, robot-wise. As in, total shutdown.

The connectors that Controls and Design printed last week secure the wires to each other and make sure that they won't come apart when they're stressed.

This "little" fix not only provided the ounce of prevention we needed, but also allowed the Design crew to flex their precision skills in order to CAD a device with such tiny specifications. But it's a good payoff because the team is manufacturing their own parts, and they save the team the cost of purchasing the necessary gadgets.



FABRICATION & BUILD



NOT ONE, BUT TWO ROBOT CHASSIS

True to form, the Build and Fabrication teams have been hard at work assembling our robots. Wait, was that plural? Yeah, that's right. We've got two chassis. This way, when the time comes for us to put the robot to bed (in its bag) the Drivers can still practice doing what they do. A second chassis also allows extra testing and prototyping of code, and any faults that develop on it can be removed from the competition chassis.





FRG

INTERNATIONAL PROGRAMS



GPPSS

GROSSE POINTE
PUBLIC SCHOOL SYSTEM



LEARNING THROUGH EXPERIENCE
FROM THE CLASSROOM TO THE WORKPLACE
LEARNING THROUGH EXPERIENCE



Design by Audrey Kam
Content By: Josh Kozakowski, Michael Knurst, Erica Powell, Audrey Kam
Graphic Courtesy of Eliza Bejin
photos courtesy of: Alanna Sparks, Anna Karcher, Gabby Feeny