

**Auburn
Mountainview
High School**
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98092

**FIRST FRC
Team 2907
Lion Robotics**

Roarporter

Volume 2, Issue 3

January (Week 1) 2016

Workday:

Jan 16th, 8:30am
-4:00pm, AMHS

FTC

Interleague:

Jan 16th, All day
Everett

Community Service

Jan 18th, 1-4pm
Elk Run Farm

Workday:

Jan 19th, 3-5pm,
AMHS

Workday:

Jan 20th, 3-8pm,
AMHS

Workday:

Jan 21st, 3-5pm,
AMHS

Workday:

Jan 22, 8:30am -
4:00pm, AMHS

FTC State:

Jan 30th, Kent

Commence Build Season

On Saturday, January 9th, Team 2907 met at Auburn High School, as TREAD 3219 graciously hosted the highly anticipated unveiling of this year's 2016 FRC game. We gathered into the PAC and enjoyed an interview with the founding creators of FIRST, Dean Kamen & Woodie Flowers. The suspense had built, and it was finally time to reveal this year's challenge. "Stronghold"!

Stronghold is a medieval themed game, complete

with a tower for each side that must be protected from incoming 'boulders'



that may fly into the tower and score the opposing team points. The game field also contains an 'outer works' with five defenses. There are nine different defenses that can be changed between each match, with the audience selecting the center defense, making over

10,000 different possible configurations.

There are special opportunities to gain points during the endgame if your alliance has 'breached' the opponents 'outer works' or 'conquered' the opponent's tower which involves hanging all three robots from a bar.

Collectively 2907 is absolutely buzzing with excitement for the opportunity to compete in this new, unique game, "Stronghold"!

Everything Starts Small

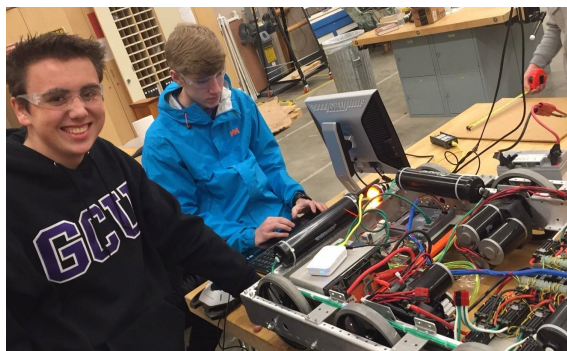
Preparation is key. Our engineering team for 2907 has been hard at work since the reveal of "Stronghold". We take ideas from everyone in the group as we brain storm the functions needed in our 2016 robot.

The team is currently hard at work on designing a

shooter to throw 'boulders' at the other team's tower, a drive base to help our robot successfully get over the tricky 'outer works' on

the field, and a way for the robot to lift itself up on the rung of the opposing team's tower at the end of the game. In the near future the

engineering crew hopes to begin prototyping, and complete building the drive base. Everyone on Team 2907 is a group of enthusiastic, hard working and diligent students!



Student Member Reminders

- To be considered for the travel team to Mount Vernon, please get your membership requirements completed by January 29th: Application, Fee paid, Activities Card and STIMS. Go to our website for more details.
- There are two requirements to letter this year: volunteering and fundraising. For the 25 hour volunteer requirement you can sign up for volunteer hours at www.volunteersignup.org/Y9AMP. There is also a \$250 valued fundraising requirement. See an advisor for more information.
- Team communication starts with checking your email regularly and reading this newsletter. Also sign up for remind for last minute updates by texting @lionr to 81010 or send a blank email to lionr@mail.remind.com We will also use the private Facebook group for internal communication and the public Facebook page to share updates on our activities and accomplishments.

Thank you to our valued sponsors!

- SPEEA (grant)
- Boeing (grant)
- OSPI (grant)
- PEMCO
- Northstar Power Engineering
- CIMtech
- Intellectual Ventures

Lion Robotics greatly appreciates your support!

Important Notes

- ◆ We will be starting each of our workdays with a rally time to outline our goals for the day. Be on time: M-T-Th 2:45pm, Wednesdays 4:00pm, and Saturdays 8:30am. Also please cleanup!!!
- ◆ Building a robot is our main task, but did you know over half of our team members are involved in other tasks! We need students who have a passion for strategy, management, finance, social media, marketing, art/design, video production and writing. We have a place for you.
- ◆ PARENTS: We welcome you to visit any of our workday session and we thank you for supporting our team with volunteer hours and food. Mrs. Clowers has set up a site to sign up for workday snacks and meals at www.volunteersignup.org/A8AKL
- ◆ BOEING MENTORS Document your volunteer hours and earn our team \$\$\$\$\$. For every hour of your time we get your expertise PLUS \$10.00. Also direct monetary donations can be matched through this program. Contact Mrs. Grubb for more information on how this process works!
- ◆ Lion Robotics will travel to at least three events this year: Mount Vernon, WA; Philomath, OR; and Portland, OR. We anticipate that travel costs per person will run \$50 for Mount Vernon, and \$100-150 for Philomath and/or Portland. If we move on to World Championships, travel costs range from \$800-1000 per person. Make sure you meet the requirements to participate (membership complete, documented workdays)
- ◆ FUNDRAISING: We have been challenged to raise \$500 in a fundraiser that will be matched with up to \$1000. Let's get working on this challenge! Also we have the Booster Club Auction coming up, flyers were handed out that outline our goals and how to participate.

