

THE TALON TIMES

VOLUME 10, ISSUE 7

Build Season- Week 2

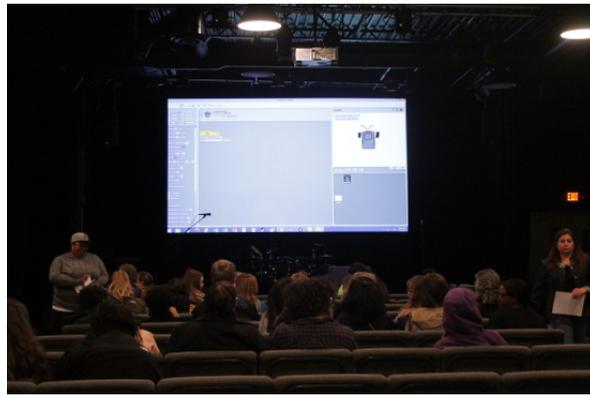


Prototyping

During the second week of build season, the strategy we created was finalized. The electrical, mechanical, programming, and CAD teams began prototyping basic bot designs. By this week, our team developed an intake machine responsible to pick up all the elements of the game. Vitalizing the concept of the 2006 FIRST Challenge, Aim High. We tested and modeled our former bot, *Pandora*, for the shooting mechanism. In addition, we also developed a gear mechanism in order to hold the gear elements. A winch, hooked to the trailer hitch, was created for climbing the rope. Our team also decided to construct a 2x2 drivetrain with paction wheels. Through this plan, our goal of completing the robot prototype by the third week can be accomplished.

Bombini Bot Conference

The past Monday was a day full of anticipation and prospect. On this special day, a small portion of the TALON 540 team went to the Velocity Church to present the Bombini Bot curriculum. The Bombini Bot is a collaborative TALON 540 and Mindsensors idea created to expose younger



children to technology during their most enjoyable time. On Monday, January 16, the Bombini Bot was presented to a group of 60 preschool teachers from Rainbow Station. The meeting started off with introductions of the product and what we are trying to sell. After the introductions, the group of teachers were split into groups and led to different rooms. In each room, a different aspect of this project was demonstrated. In one room, a group of two TALON 540 members showed the teachers how to build the Bombini Bot. Another room explained the programming of the robot and how to control the motions. Both rooms were hands-on, allowing the teachers to get a feel of how the robot was designed. The main reason for this meeting was to inform the teachers of the benefits of learning about technology at a young age. This idea will be enforced through original curriculums and assessments made by the team. Overall, the Bombini Bot curriculum is a great idea to expose young children to the STEM ideas all over the country.

Summary

Overall, week 2 of build season continued on a positive note. We started another fundraiser for our team through Applebee's. This fundraiser, although not over, is proving more successful than the first one.



With the continuation of this fundraiser, our team inches closer to paying off the fees for participating in the district and state levels. In addition, we chose to expand our contact with parents and people beyond the team. Our team was able to do this by the reactivation of our social media accounts, and by continually posting updates in small information packets. The public relations subgroup was responsible for informing others about the daily activities of the team. As well as the reactivation of the social media, the PR subgroup is also in charge of taking the headshots for each member and uploading them to the web page. All in all, week two charged forward- Full Steam Ahead!

2101 Pump Road, Henrico, VA 23238
www.team540.com

You received this email because you signed
up on our website or made purchase from us.

[unsubscribe](#)