



MORT in a Minute



www.mort11.org

The Team Newsletter of Mt. Olive Robotics Team 11

www.usfirst.org

First WeWillBeBest, Then We WillBe First!

January 31st 2011

Mt. Olive High School, Flanders, New Jersey

Volume 3 – 8th Edition



GROUP REPORTS – Week 3: Build Season

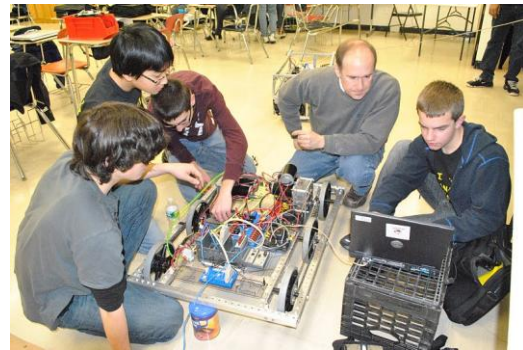
3-DStudio MAX – During week three, the animation team has begun rendering the scenes that we have completed, which will need some trial and error. This means it will take a while. We hope to be done rendering by the end of the week so we can start to edit.

Business – The Business team has been working to put together the third volume of MORT in a Minute. They also have been working on an article about the new “renovation” and uses of the metal shop. The Chairman’s sub-team has been working on brainstorming ideas for the Chairman’s essay and has been working to organize a community outreach event at the Mount Olive Public Library.



AutoDesk – This week the AutoDesk sub-team worked on this year’s End Effector. They have finished CAD drawings and blueprints for all of the parts, and also have a complete constrained CAD of the entire End Effector. Work has now begun on this year’s electrical board and the sub-team members have begun their work on CAD drawings for all of the electrical parts.

DriveTrain – This week, Drive Train worked on the cart and getting the speakers in place in the speaker box. For the robot, the group cut delrim spacers, cut and tapped stand offs and the 17-inch bars, and shaved down the pulley hubs and hex broached them. This week was about finishing the smaller tasks to prepare for a quick assembly.



Electrical – This week in Electrical, members worked with End Effector, repairing and renovating the 2007 robot so that the End Effector could be replicated. Because they were given the CADs of the final robot, members worked with AutoDesk and Drive Train to generate a layout design on the CADs to be used on the final robot.

End Effector – Parts for constructing the End Effector have arrived and construction has begun on the practice robot. The base and upper joint of the lift have been completed, along with various inserts for the carbon fiber tubing. The mini-bot deployment system has been designed and assembled as a wood prototype until a final mini-bot design is chosen. Over the next few days, we hope to finalize construction on the practice bot.

Programming – This week, the Programming sub-team continued to work on coding for Drive Train and the camera. They also began to brainstorm ideas as to how the robot could track lines on the floor and began programming the End Effector.

CAPTAINS' CORNER:

MORT has made great progress this week; in comparison to previous years we are ahead of schedule! We must continue the amazing effort as we venture into the second half of build season!

MESSAGE FROM MR. DiCICCO:

Three weeks down, and three weeks to go! Our effort so far has been excellent so we must keep it up. Errors at this time can make the difference between finishing on time and the mad scramble to get it done. When we rush we make mistakes and lose time, and time is one thing we can never get back. So if we stay diligent, we will be successful!

MESSAGE FROM MR. BODMER:

We are at the half-way point of the 2011 Build Season! The last three weeks of build will get intense, so we must stay focused and ask for any help needed. If there is a problem, let a team captain or mentor know so we can help keep your project on schedule. Your dedication and precision to your project and the team will define how we perform at the competitions. Keep up the great work, Go MORT! Quote of Week: "A demanding performance challenge tends to create a team."
~Katzenbach & Smith

DATES TO REMEMBER:

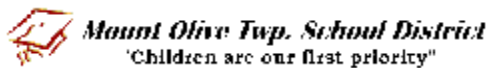
February 22nd – Ship Date
March 23rd -27th – Palmetto Regional
April 6th -10th – Virginia Regional
April 27th – May 1st – St. Louis (no auto bid)

PICTURE GALLERY:





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