



MORT in a Minute



www.mort11.org

The Team Newsletter of Mt. Olive Robotics Team 11

www.usfirst.org

January 22nd, 2011

Mt. Olive High School, Flanders, New Jersey

Volume 2 – 9th Edition



GROUP REPORTS – Week 2: Build Season

MAYA Animation - The Animation sub-team came up with ideas for the Animation challenge, story-boarded the ideas, perfected the storyboard, assigned models and tasks and then began modeling.

Business – The Business team has been working to put together the second volume of MORT in a Minute. The Chairman's team worked on their script for the Chairman's presentation.



AutoDesk – This week, the CAD team determined the specific methods of shooting, feeding and collecting that will be utilized on the robot. From this, various conceptual CAD models have been created of the robot without its actual dimensions. As other sub-teams have finished prototyping, they can use the CAD models and part blueprints to manufacture the parts to assemble the robot.

DriveTrain – This week on Drive Train, members fabricated parts for the robot and worked with the End Effector sub-team on CADing to complete the robot's final CADs.



Electrical – This week in Electrical, members took inventory, started designing the pot box, and began work on building parts of the robot.

End Effector – Members on End Effector created a concept design in CAD, finalized the CAD design and then ordered the final parts necessary for the robot during this week.

Programming – On programming this week, members tested camera tracking with LEDs. Some members worked on reprogramming old robots to teach new members robot codes. Logic for the various functions of this year's robot was also developed. Members continued to also work on the iPhone and Android scouting apps.

CAPTAINS' CORNER:

Week 2 was a critical week for the team, and the final design was decided so sub-teams are now focused on completing their individual tasks and parts of the robot. The team is looking forward to the weeks ahead!

MESSAGE FROM MR. DiCICCO:

Six weeks is a very short time; week 2 is already complete! We are now starting the robot build phase. A design has been decided on, and everyone must now work together and move forward with construction of the final robot. Communication is essential because miscommunications that result in mistakes and incorrect ordering of parts could be disastrous. Time is critical and mistakes cannot be afforded, so we must avoid them as much as possible.

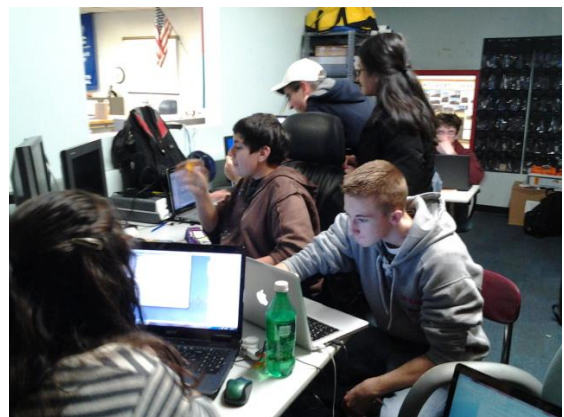
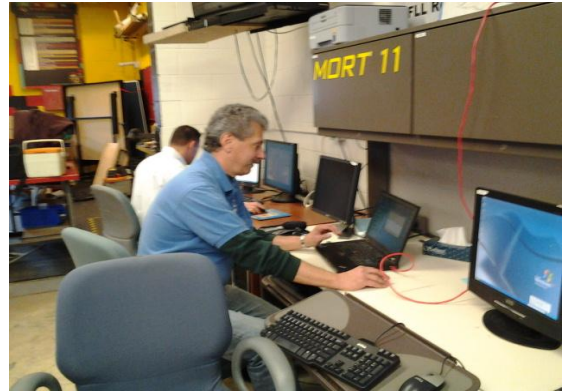
MESSAGE FROM MR. BODMER:

Week 2 is in the books! The robot design has been finalized and it's now time to begin building this year's robot. As we move forward it is imperative that we continue to keep the lines of communication open. Any results due to lack of communication between the sub-teams will only make our job that more difficult. If problems arise, please speak with your sub-team leaders and mentors as soon as possible! Keep up the good work!

DATES TO REMEMBER:

February 19: Rollout Event
March 9 -11: Rutgers Mid-Atlantic Regional
March 22-24: Palmetto Regional
March 30-April 1: District Regional, Mt. Olive HS
April 12-14: MAR Championships, Philadelphia
April 26-28: St. Louis Championships

PICTURE GALLERY:



Snap-on[®]



ASCO[®]

BAE SYSTEMS



Chameleon
Design Solutions, LLC

Givaudan[®]

LAMTEC[®]
Corporation

MIRACLE WATER SOLUTIONS, LLC



HELPING TO PROTECT THE ENVIRONMENT
ONE COOLER AT A TIME

MSC[®] | **J&L**
INDUSTRIAL SUPPLY[™]



NDEP

NATIONAL DEFENSE
EDUCATION PROGRAM
BUILDING AMERICAN STRENGTH
IN SCIENCE AND ENGINEERING



SIEMENS



PreVision
Systems LLC



FIRST[®]

MAR MID-ATLANTIC
ROBOTICS



Mount Olive Twp. School District

"Children are our first priority"



Prudential



SolidWorks