



"Into Orbit"

Shadow Hills
Magnet Academy



Robotics





December – 2018

The Shadow Hills Magnet Academy had 3 robotic teams participate in the FIRST Lego League (FLL) Tournament.

We are proud to announce, that our teams received 3 awards for their achievements at the championship tournament.

FLL is a mix of Robotics Competitions and a Science Fair.

The theme for this year was titled "*Into Orbit*".

<http://info.firstinspires.org/into-orbit>





Teams in FLL are judged in three categories: Robot Game, Project, and Core Values.

The Robot Game Teams must score points on their field setup – of which includes a mat and several mission models. The goal is to score as many points as possible by completing as many missions as possible in two and a half minutes.

The Project component, tasks the teams to find an innovative solution to a problem related to the theme.

The problem statement this year asked the teams to find a solution to a problem, created by long term space travel within our solar system. Each team needed to identify a problem and create a solution. Each team had to present their solution to a panel of judges.



Lastly, the Core Values component. This is where each team follows the code of ethics and shows their enthusiasm. Each of these categories is judged on a rubric and produces an overall score for ranking at the end of each competition.

On December 8th and 9th, the Shadow Hills Magnet Academy had two teams qualify for the Los Angeles Regional Championship. The event was held at La Canada High School, where only 80 teams, out of over a thousand, qualified for the championship.

On Saturday, the first team, the Shadow Hills FalconBots 3, aka, the Nocturnal Astronauts, took 2nd place, in the overall competition. For placing 2nd, the team received an invitation to the Razorback FLL Invitational Tournament, that will be held on the campus of Arkansas University. Shadow Hills was the only team from the Los Angeles region who was offered an invitation.

The team also received, a 1st place trophy, for the Most Innovative Solution. Along with, a nomination for the Global Innovative Solution Award, for their sleep system for zero gravity cap - similar in design to a stocking cap.

The cap contains magnets to prevent an astronaut's head from being in an uncomfortable position while he/she is trying to sleep.



Our 2nd team, the Shadow Hills FalconBots 1, aka, the Epic Space Gamers, competed on Sunday. Their team, was awarded the 2nd highest robot score, making this the highest score EVER, for our school!

This weekend was a huge step forward for our school's Robotics Program!

This program is in its 5th year, and we are experiencing great success!



OUR STUDENTS ARE A SHINING EXAMPLE OF THE PALMDALE PROMISE IN ACTION.



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Congratulations”

Shadow Hills Magnet Academy,

We are Proud of You!

