

Engineering Explorer Post 1010

Explorer Post 1010, sponsored by Lockheed Martin in Gaithersburg, has an active program of technical and fun activities for high school students interested in engineering.

We run engineering team exercises, have technical presentations, go on tours, and sometimes play games, all with the objective of giving teens some hands-on experiences in engineering disciplines. We are engaged in several engineering and research projects, such as the *Team America Rocketry Challenge* and the *Botball Educational Robotics Competition*.



The members get opportunities to develop both leadership and teamwork skills. Elections are held twice a year for post leaders. Projects, and teams within projects, define their structures and leadership. We also participate in service projects at Lockheed Martin and in the community.

We enroll about 50 teens every fall and run the program through the next summer. This post has been active since 1997. We have had over 300 teens participate, with some coming back as employees of Lockheed Martin.

Meetings

The post has general meetings for all members twice a month on Wednesday evening, 6:30 P.M. to 9:00 P.M. The project teams meet as determined by the teams, usually on alternate Wednesday evenings and Saturday mornings. Rocket launches and project competitions are usually on Saturdays. We go on field trips to museums and engineering sites, usually on days when Montgomery County schools are off. We maintain a calendar on our web site which is the best source for meeting information. We meet at the Lockheed Martin facility located at 700 N. Frederick Ave, Gaithersburg, Maryland, 20879. This is a secure facility and we require visitors to show a picture ID (driver's license or student ID). Non-US citizens require additional prearrangements.

Staffing and Funding

The post is staffed by volunteers from Lockheed Martin, their spouses, parents, and others interested in helping shape the next generation of engineers. We need help from parents with chaperoning, driving to events, and providing snacks. Parents are also welcome to help with the program. Project costs are funded through dues, contributions, grants, and fund raisers. Dues are \$30 a year and you must fill out a membership form, signed by your parents. Project/team membership will require an additional registration form. Costs associated with travel and field trips are covered by individual members.

Contacts

Our web site at <http://exploring.external.lmco.com> is the main source of information about the post. We have an email list for members, parents, and advisors. We are organized under the national Learning-for-Life organization and supported by the National Capital Area Council of the Boy Scouts of America.

Bob Ekman at Lockheed Martin
email: post1010.exploring@lmco.com
phone: 301-240-7625