

Engineering Explorer Post 1010

Explorer Post 1010, sponsored by **Rockville Science Center**, has an exciting program of technical and fun activities for high school students interested in engineering.

We 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 American Rocketry Challenge*, *FIRST Tech Challenge Robotics*, *Botball Educational Robotics*, and the *UAS4STEM Drone 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 the Rockville Science Center and in the community. We have many opportunities to earn Student Service Learning hours.

We enroll about 40 teens every fall and run the program through the next summer. Most members are involved for three or four years. This post has been active since 1997. We were at Lockheed Martin for 17 years, then spent five years at Johns Hopkins University in Montgomery County, and recently moved to the Rockville Memorial Library and the RSC Storefront. We have had over 500 teens participate through the many years.



Meetings

The post has general On-line meetings Wednesday evenings, 7:00 to 8:00 pm. The project teams meet at other times determined by the teams. Tournaments and launches are usually on Saturdays as are extended work sessions. We go on field trips usually on days when County schools are off. We maintain a calendar on our web site which is the best source for meeting information. We meet at the **Rockville Memorial Library, Makerspace**, at 21 Maryland Ave and the **RSC Storefront** at 36C Maryland Ave, Rockville, Maryland, 20850.

Staffing and Funding

The post is staffed by volunteers, 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 needed to help with the programs. Project costs are funded through dues, contributions, grants, and fund raisers. Dues are \$200 annually, collected by November. A membership form and national application form, signed by the parent or guardian is required. Project/team membership may require additional registration forms. Costs associated with travel and field trips are covered by individual members.

Contacts

Our web site at <http://www.post1010.org> is the main source of information about the post. We have email lists for members, parents, and advisors. We have several closed Facebook groups for sharing operations information and activities. Some of the teams have additional on-line channels. We are organized under the national Exploring organization and associated with the National Capital Area Council of the Boy Scouts of America.



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