

Position: Robotics Advisor

Level: High School

Type: Competition

Minimum Requirements:

- Teaching license
- Knowledge & experience in shop equipment, procedures & safety
- Preferred CTE licence

Required Knowledge, Skills & Abilities:

- District, state, national and league guidelines
- Understanding child growth and development
- Using assessment techniques and monitoring strategies to identify student efforts, performance, strengths and weakness.
- Effectively communicating with both students and adults
- Providing training and coaching to improve individual and team performance
- Managing and directing adult volunteers.
- Providing leadership and vision for the program.
- Knowledge in machining, electronics, or programming

Responsibilities:

- Planning for daily/ weekly time spent with students
- Providing supervision at all events, meetings, practices and competitions
- Ongoing and updated communication with students, parents and families
- Working directly with school administrator
- Implementing changes from district or league with students, other advisors, school administration
- Scheduling events, planning for transportation, reserving facilities
- Handing out, collecting and monitoring paperwork throughout the year
- Establishing shop procedures and supervision.
- Maintaining an updated inventory of equipment (tools, equipment, materials)
- Managing a budget & purchasing materials.
- Recruitment of program participants.
- Securing equipment, tools, and consumables between events
- Transporting robot & materials to competitions

Equipment & Facilities:

- Machine shop
- Computer lab
- Equipment, tools & supplies needed to create robots

Total number of events:

- 6 offsite competitions
- 2-3 hour weekly meetings Sept-June
- 6-week build season with additional weekly meetings as needed