



Position: Robotics Coach  
Posted: August 20, 2018  
Closes: Until Filled  
Start Date: ASAP

The Head Robotics Coach will provide the high school team opportunities to form learning partnerships between students with different technology skill levels while providing engineering expertise. The Coach will facilitate all activities related to district and national robotics competitions.

The AMHS Robotics team participates in FIRST FRC Robotics competitions during the January through April season.

FIRST Robotics is a worldwide organization that specializes in engaging students in STEM learning and preparing them for the future through hands-on fun while cleverly helping kids transfer classroom concepts to real-world applications. The FRC competition releases a new game task each year in January after which students have six weeks to build a fully functional robot that accomplishes each of the tasks in the game. Students then compete in competitions in March and April with top scoring teams moving on to district and national competitions.

### **Primary Duty**

- Responsible for the day to day operation of the Archbishop Murphy High School FRC robotics team (Team 4681 Murphy's Law) and serve as the Primary Advisor to the team.

### **Team Specific Duties**

- The team meets monthly in the fall to coordinate off-season events and trainings. During the six week build season the team meets three weekday afternoons and each Saturday morning. Meetings vary based on the activities needed to ensure preparedness for all upcoming in/off-season events.
- Supervise the team during at all times during build season and events.
- Coordinate with Assistant Coach(es) to ensure students are supervised at all times during build season and events.
- Responsible for the safe environment of the robotics build room and that all students are sufficiently trained for machinery needed for robot manufacturing.
- Responsible for leading brainstorming sessions when the game task is released.
- Analyze and evaluate prototypes and robotic systems.
- Help students come to a consensus about robot design, build, and implementation.
- Serve as technical support for the school team robotics game strategy and design.

### **Administrative Duties**

- Responsible for communication with students via Remind, parents, faculty, and staff via email.

- Coordinate with school administration for field trips and buses to and from events during the FRC season (March-April) and pre-season events (September – November) and submit corresponding paperwork for any trips.
- Responsible for program funding including grants from PNW FRC District, local companies (Boeing, Google, Microsoft, etc.), and possible extension into new grants including NASA.
- Responsible for registering the team with FIRST and selecting two local district events for team competition, and any further registration required for advancement to the district and national championships.

**Requirements:**

- Ability to work with teenagers as a coach/mentor is essential.
- Ability to create a positive, cohesive team dynamic is as important as the technical knowledge.
- Qualified applicants will most likely have some engineering/manufacturing background.

**Preferred:**

- Knowledge of school robotics and in particular FIRST programs.
- Knowledge of electrical systems and/or computer programming is a plus.

Salary/Benefits:      Dependent upon applicable education and experience.

Application Process: To apply, complete the Seattle Archdiocese Employment Application on the Seattle Archdiocese website:

<https://www.applitrack.com/seattlearch/onlineapp/default.aspx?all=1>

After completion of the above online application, submit a cover letter and resume with acknowledgment of application's completion to:

Mary Knox, Controller/HR  
 Archbishop Murphy High School  
 12911 39<sup>th</sup> Avenue SE  
 Everett, WA 98208

**Our Mission**

Archbishop Thomas J. Murphy High School is a Catholic, college preparatory school that welcomes students of all faiths. True to the spirit of the Gospel, Archbishop Murphy High School nurtures the full development of the gifts that God has given to each student, fosters service as an outgrowth of faith, and values diversity. Working with parents as partners in this educational ministry, we strive for academic excellence, spiritual enrichment, and Christlike leadership for the transformation of the world.

*Located in south Everett Washington, Archbishop Murphy High School is a private Catholic high school known for its faith-filled community, academic excellence focusing on college preparation, active student involvement through Christian service, exceptional athletic programs and a variety of performing arts programs, clubs and activities. We offer a safe, supportive environment with small class sizes and individual attention.*

Archbishop Murphy High School recruiting practices are designed to attract, hire and retain teachers, staff, and administrators who come from diverse racial, ethnic, cultural and physically challenged populations. In keeping with its mission of providing a Catholic education, preference in hiring will be given to practicing Catholics.