Cape Elizabeth High School ROBOTICS TEAM ADVISOR

QUALIFICATIONS:

I. Hold a valid State of Maine Criminal History Records Check Approval.

II. CEHS teacher or staff member strongly preferred.

III. An adult with strong organizational and communications skills who is familiar with and able to effectively instruct approximately 6-12 team participants so that they develop their robotics and problem-solving skills and sho is able to inspire them to work effectively together in a fun, competitive environment that tests students' robotics and problem solving skills and ability to perform problems effectively and creatively under pressure.

REPORTS TO: Building Principal or Assistant Principal

SUPERVISES:

Group of 6-12 individual student team members from grades 9-12 at practices and during robotics competitions as the school budget permits. Depending on how this position evolves, the task may also involve supervision of high school students working with Middle School students to assist them to develop robotics-related skills..

JOB GOAL:

To reinforce and extend robotics skills and knowledge including mechanical, software programming, and general creative thinking and problem solving. The advisor also develops students' abilities to apply those skills in an environment that requires students to analyze challenging problems, selecting an appropriate problem-solving approach when some problems can be approached and solved in a variety of ways. There is particular emphasis in Robotics in teaching students to work collaboratively and to apply systematic, engineering-like approaches to thinking through problems and weighing possible solutions. Another important goal, which is still evolving, is helping high school students develop the skills to deliver instruction and support to Middle School students who are working on the Middle School Robotics team.

PROFESSIONAL RESPONSIBILITIES:

I. To prepare and oversee the Robotics budget.

II. To coordinate and instruct students during regular meetings.

III. To develop a network of robotics specialists and engineers who can share their skills and knowledge with our Robotics students.

IV. To assign individual students to appropriate rules to students on the collaborative Robotics teams, balancing the twin goals of individual skill development and team competitiveness.

V. To act as an ambassador for the team to CEHS science and technology teachers, encouraging them to encourage students to participate in Robotics team competitions.

VI. To adjust roles and responsibilities as student skills develop and in light of external factors such as issues of ineligibility and student discipline and student inability to attend certain Robotics events.

VII. To arrange and coordinate the logistics (travel, permission forms, communication, etc.) associated with attendance at Robotics competitions.

VIII. To communicate clearly, as necessary, with parents/guardians and with other members of the staff (custodians, community services, teachers, etc.) concerning issues connected to the team.

IX. Other duties assigned by the Principal.

TERMS OF EMPLOYMENT:

Twelve months per year with compensation in accordance with the fee structure of the negotiated Cape Elizabeth Education Association agreement.

EVALUATION:

The basis of the evaluation will be the extent to which the performance responsibilities of the job are successfully handled and the extent to which yearly action plans and job goals are met. The Principal or Assistant Principal will perform the evaluation.

NOTE:

The above job description reflects the general requirements necessary to describe the principal functions or responsibilities of the job identified and shall not be interpreted as a detailed description of all work requirements that may be inherent in the job, either at present or in the future.

Approved: November 9, 2010

Revision #2
Created 25 January 2024 19:00:42
Updated 11 July 2025 14:11:46 by Andrea Fuller