

Job Description - Director of STEM Programs

Buffalo Academy of Science Charter School (“BuffSci”) seeks to hire a Director of STEM Programs, in Buffalo, New York, who will be responsible for developing, implementing, and overseeing robust and engaging STEM programs across our schools, with a strong emphasis on robotics, coding, and various science competitions. The primary goal of this position is to foster a passion for STEM among students, promote STEM literacy, and provide opportunities for students to engage in enriching STEM experiences. The responsibilities of the Director of STEM Programs will include:

1. Robotics Programs:

- Design, implement, and manage robotics programs at the elementary, middle, and high school levels, including FIRST Lego League (FLL), FIRST Tech Challenge (FTC), and FIRST Robotics Competition (FRC).
- Recruit, train, and supervise coaches and mentors for each robotics team.
- Collaborate with school administration to secure funding and resources for robotics programs.

2. Coding Programs:

- Develop and maintain a comprehensive coding curriculum for students in grades K-12.
- Implement coding programs and activities that foster critical thinking, creativity, and collaboration.
- Stay abreast of current coding languages, tools, and best practices in computer science education.

3. Science Competitions:

- Organize and prepare students for various local, statewide, and national science competitions, including Science Olympiads.
- Develop training programs and practice schedules to support students in their preparation for competitions.
- Foster partnerships with local colleges, universities, and STEM businesses to create additional opportunities for student participation in STEM events and initiatives.

4. Collaboration with Science Teachers:

- Work closely with science teachers in each building to develop and promote STEM opportunities.
- Assist in the integration of STEM programs and competitions into the school's curriculum.
- Support teachers in implementing innovative, hands-on STEM activities and lessons in their classrooms.

5. Teach and advise students on advanced STEM courses at the high school level, including physics and coding.

6. International STEM Competitions:

- Prepare students for international science, math, and computer competitions at both national and international levels.
- Stay informed of upcoming competitions and ensure students are well-prepared and registered on time.
- Foster a supportive learning environment that encourages students to excel in their chosen STEM fields.

The position requires a bachelor's degree in a STEM field, including physics, mathematics and computer science. A successful candidate must have five (5) years of experience in STEM education roles in K-12 schools (including administrators and teachers), which includes three (3) years in the following:

- Managing academic STEM programs and curricula;
- Teaching STEM courses, such as physics, mathematics or computer science, to school students;
- Designing and supervising robotics programs as well as using coding and programming tools for robot design;
- Planning and providing professional development programs for teachers in STEM education; and
- Leading student teams for national and international STEM competitions and robotics competitions.

The annual base salary for this position ranges from \$57,346 to \$61,846. To apply, please send resume to Toni Long, HR Coordinator, at tlong@buffsci.org.