

Secondary SSTEM Teacher Grades 9-12 (Sustainability Science, Technology, Engineers, and Mathematics)

The SSTEM teacher will lead safe, hands-on projects and guide students in designing and building basic robotics, mechatronics, and coding. Enthusiasm for applications of STEM to careers in the green energy and engineering fields and an ability to ignite passion for learning that supports success in the digital age is essential to this position.

At New Roots Charter School, each teacher is an essential member of an interdisciplinary, grade-level team charged with providing students with meaningful educational experiences consistent with the school's mission, vision and charter as a model of education for sustainability and justice. To learn more about New Roots Charter School, visit our web site at www.newrootsschool.org.

Essential Responsibilities

- Effectively instruct students in assigned content area(s) with the overall goal of engaging student learning.
- Work as part of interdisciplinary team and within content areas, planning and aligning curricula to ensure that instruction follows curriculum guidelines or requirements of state and school.
- Set clear short-term and long-term goals to drive instruction.
- Develop weekly and long range unit plans containing standards, essential questions, assessments and lesson plans; assign lessons and review student work.
- Consistently assess student progress, record results, and issue meaningful reports to inform parents of progress.
- Systematically collect and analyze data from diagnostic, formative, and summative assessments, and use this analysis to inform instruction and student intervention plans.
- Meet student performance goals as defined by the school, the school Accountability Plan, and individual student plans.
- Submit regular data reports to school leadership at requested intervals.
- Working individually, as a grade level team, and with the student support team, create and implement student intervention plans when a student shows any sign that he/she may be at risk of academic failure in one or more courses. Track and share data to demonstrate effectiveness of interventions, and modify interventions in response to that data.
- Maintain the school's student management policies and procedures (i.e. attendance records, etc.) and report to the school administrators when necessary.
- Maintain effective supervision and discipline in the classroom.
- Work with other teachers, support personnel and administrators to address and resolve

student issues.

- Provide necessary accommodations and modifications for growth and success of all students.
- Participate in faculty and professional meetings, team meetings, task forces, educational conferences, and teacher training workshops.
- Facilitate an advisory group, acting as a mentor to students, developing advisory curriculum within established guidelines, coordinating communication between faculty members regarding students in the advisory, and serving as first point of contact for parents.
- Lead and participate in student activities such as: sponsoring student activities or student organizations, coaching a sports team, working with parents and the community as part of a committee or group, provide morning or after school supervision, attending and presenting at school events after hours, and chaperoning student activities.
- Abide by all state and federal mandates in reporting sexual or physical abuse and neglect.
- Continues to acquire professional knowledge and learn of current developments in the educational field by attending seminars, workshops or professional meetings, or by conducting research.
- Encourages parental involvement in students education and ensures effective communication with students and parents.
- Ensures that student conduct conforms to the school's standards and policies, and establishes and maintains standards of student behavior needed to achieve a functional learning atmosphere in the classroom.
- Coordinates with other professional staff members, especially within grade level, and participates in faculty meetings and committees.
- Selects and requisitions appropriate books, instructional aids and other supplies and equipment and maintains inventory records.

Additional Duties

- Special projects and duties or tasks outside of primary teaching responsibility, and as assigned by the Principal or supervisor.
- **Note:** The above description is illustrative of tasks and responsibilities. It is not meant to be all inclusive of every task or responsibility.

Equipment

Uses standard office equipment such as personal computers, printer, copy and fax machines, and telephone.

Travel Requirements

Travels to professional meetings as required.

Knowledge, Skills, Attitudes, and Abilities

- Solid knowledge of subject matter and relevant New York State Standards.
- Ability to read and analyze student data in order to refine instructional strategies.
- Excellent verbal and written communication skills.
- A commitment to high expectations for self, students and staff team.
- Ready and able to work creatively with faculty team to meet the academic and personal needs of students.
- Eager and able to collaborate with faculty team to plan and deliver thematic semester-long projects integrating all subjects.
- Desire to integrate multiple subject areas into your own content area.
- Ability and interest in constructivist, investigation-based learning.
- Enthusiastic to design and teach a challenging project-based curriculum with outcomes meeting New York State Learning Standards.
- Comfortable practicing differentiated instruction in the classroom, teaching grades 9, 10, 11 and 12 with widely differing ability levels among the student body.
- Willing to use the world and region as your textbook.
- Willing to co-lead small groups on multi-day trips.
- Interested in having life-changing relationships with students that are empathetic, supportive, challenging and meaningful.
- A commitment to frequent communication with families.
- Experience in project-based teaching and learning at the high school level.
- Multiple subject endorsements as a high school teacher highly desirable.
- Up-to-date knowledge of educational technology and applications.
- Ability to engage in self-evaluation with regard to performance and professional growth.
- Ability to establish and maintain cooperative working relationships with others contacted in the course of work.

Physical and Mental Demands, Work Hazards

Works in standard office and school building environments.

Qualifications Profile

- Passion and skills to create a school that stands apart from other public high schools: a learning environment that is highly motivating, supportive, and rigorous.
- Willing to work within public school requirements for positive change.
- Experience with and commitment to working with racially, culturally, ethnically and economically diverse populations.

Certification/License:

- NYS certification in secondary Science, Technology, Engineering, or Mathematics and/or meets definition of “highly qualified” instructor consistent with the Charter

Schools Act.

- Multiple subject endorsements as a high school teacher highly desirable.

Education:

- Bachelor's degree from an accredited college or university in discipline applicable to teaching assignment.
- Masters Degree in related area preferred.
- Education degree preferred.

Experience:

Successful prior teaching experiences in secondary and/or alternative education are a plus.

FLSA Status: Exempt