San Francisco Unified School District
STEM DIRECTOR

Posting Date: May 1, 2012 - until filled
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The San Francisco Unified School District is seeking a dynamic leader for its Science, Technology, Engineering and Math (STEM) Division. This is a new position and it signals SFUSD’s desire to become a national leader in STEM K-12 education.

Working under the Associate Superintendent for Curriculum and Instruction, the STEM Director supports and promotes the district’s goal of every student graduating college and career ready by providing leadership in: curriculum development; alignment of the mathematics and science curriculum with the Common Core Standards; professional development activities; classroom observation and demonstration; evaluation and selection of equipment and materials; coordination of projects and grants in science and mathematics with external partners and grant providers; working with site and central office leaders and staff to improve the quality of instruction by connecting STEM academics to real-world applications, exploring the potential of technology on learning opportunities, curriculum team development, and the organization and evaluation of pilot programs.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Support curriculum implementation Pre-K-12 in science and mathematics;
- Develop and align a STEM vision promoting college and career readiness with site administrators, teachers, central office staff and key external partners;
- Facilitate teacher groups to develop curriculum aligned with the Common Core Standards, assessments and instructional strategies; present new curriculum to staff; design professional development activities to implement district curriculum;
- Seek opportunities and financial support to partner with the Linked Learning NetworkFacilitate professional development activities within each content area and/or support teacher practitioners in facilitating professional development; apply concepts of adult learning and motivation to meet the needs of staff having different skill levels; use a variety of group configurations and presentation formats to appropriately engage adult learners; facilitate reflection and dialogue among teachers;
- Model appropriate classroom support to teachers; provide situation specific assistance adapted to the needs of the school and school staff; demonstrate lessons for teacher teams to observe;
- Recruit, support, develop, and supervise a team of highly qualified district science and math specialists and coordinators;
- Builds the capacity of unit members by developing professional development sessions that focus on the strategic plan;
- Creates opportunities for teacher leaders district-wide to collaborate;
Ensures that instructional supports are aligned with the SFUSD strategic plan;
Develops and monitors budgets in accordance with Federal, State, and District policies;
Develops and maintains partnerships with key external organizations;
Nurture relationships with funders and seek out grant funding opportunities;
Communicates effectively both in writing and orally with various communities including administrators, staff, representatives of universities and colleges, business leaders and business groups, regulatory and resource agencies;
Builds high-functioning relationships with central office staff across various departments;
Understands and interprets District, state and federal rules, policies and procedures;
Aligns budgetary, human and material resources with program goals and reporting requirements;
Prioritize responsibilities and meet established timelines and deadlines; and
Assist with other duties as assigned.

Knowledge of:

- Common Core Standards in math/science;
- STEM best practices at that national, state and local level;
- District curriculum and school instructional programs implementation;
- Effective STEM strategies, theories, techniques, and methods of professional development;
- Effective STEM pedagogy for African-American, Latino, and Samoan Learners;
- Effective STEM pedagogy for English Learners and Standard English Learners;
- Ability to structure time and manage multiple priorities;
- Evidence of recent leadership skills;
- Techniques and strategies for successful fundraising;
- Techniques and strategies for successful management and supervision;
- Principles and practices of public school administration, including budget development and maintenance;
- Federal, state and local legislation related to school administration, including the California Education Code, Health and Welfare Code, Code of Regulations, and San Francisco Unified School Board of Education policies and administrative regulation; and
- Adult learning theory

Evidence of:

- Recent leadership skills;
- Demonstrated ability to work cooperatively, effectively, and flexibly with adult learners.
- Demonstrated clarity in written and oral communication;
- Demonstrated interest in and evidence of continued personal and professional growth; and
- Evidence of planning and organization skills;