

DIRECTOR IV: SCIENCE TECHNOLOGY, ENGINEERING & MATH (S.T.E.M.)

DEFINITION

Under the general direction of the Executive Director, Curriculum and Instruction, plan, implement, supervise, coordinate and evaluate mathematics, science, physical education, engineering and content literacy instruction throughout the district; understand and support implementation of CA standards and frameworks for all grade levels.

Essential Duties and Responsibilities include the following. Other duties may be assigned.

- Coordinate with principals and teaching staff to effect horizontal and vertical continuity and articulation of mathematics, science, engineering and content literacy instruction throughout the district
- Understand and support implementation of CA Common Core State Standards, Next Generation Science Standards and frameworks for all grade levels
- Coordinate a comprehensive approach to S.T.E.M. teaching and learning across all grade levels
- Assist in the development, implementation, and evaluation of curriculum and the instructional program
- Remain current with developments and trends in curriculum and instruction and provide leadership in determining program direction and improvement to curriculum and instruction
- Know and understand current research, pedagogies and their implications for program development in IUSD
- Identify IUSD staff to provide leadership in new initiatives
- Serve as liaison and participate with curriculum leaders at the local, county, state, and/or national level
- Interpret district programs to the Board of Education, administration, staff, and general public
- Assist in the collection and interpretation of results data
- Assist in the use of data to inform the instructional process
- Coordinate Elementary Science Specialists
- Coordinate K-12 mathematics, science, and physical education instruction
- Coordinate K-12 mathematics and science Instructional Materials Adoption
- Supervise mathematics and science Curriculum Coordinators
- Coordinate mathematics and science professional learning with Executive Director of Curriculum and Instruction
- Develop mathematics and science Curriculum Guides for new instructional materials adoption
- Coordinate mathematics interventions in collaboration with Director of Literacy
- Coordinate content related events (i.e. Science Fair, Astounding Inventions, etc.)

QUALIFICATIONS GUIDE

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Knowledge of:

- Comprehensive knowledge of and experience with effective presentation strategies
- Comprehensive knowledge of applicable state and federal laws, regulations, and compliance requirements governing special education programs in California.
- Knowledge of State funding allocation methods.

Ability to:

- Communicate and collaborate effectively with diverse groups and audiences

- Promote flexibility and resiliency through thinking critically and creatively
- Model the IUSD core values of integrity, trust, collaboration, empowerment, and learning.
- Ability to communicate orally and in writing sufficient to express ideas, thoughts, and instructions clearly to clients, community, and staff.
- Ability to collaborate with other agencies in planning and implementing effective special education programs, including staff and parent training, within established budget constraints.
- Ability to analyze complex situations and prepare response alternatives for consideration by decision-making groups.

EDUCATION/EXPERIENCE:

- Five years of successful certificated teaching experience.

Licenses and other Requirements:

- A Master's degree from an accredited college or university is preferred.
- Valid California teaching or other related Services credential.
- California Administrative Services or other related Services credential.
- Possession of a valid California driver's license.

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to sit and talk or hear. The employee is occasionally required to walk.

Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus.

WORK ENVIRONMENT:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

The noise level in the work environment is usually moderate.