Science Instructional Coach

Job Description:
The Science Instructional Coach (SIC) will provide instructional support and coaching to all schools as they work to ensure that each student is able to reach his or her academic potential. The SIC's primary role is to work with science teachers to support best practices in using data, provide analysis of school-wide trends in instruction, and make recommendations about potential next steps to address areas of need. As an advisor to science teachers and principals, the SIC is responsible for four main areas: a) observing instructional delivery and providing feedback to enhance and support the development of each science teacher's content area b) supporting science teachers in the design of units and lessons for the development of their year long curriculum, c) analyzing data in order to modify curriculum and forms of assessment to meet students' needs, and d) working with the academic staff (grade level chairs, assistant principals, principals) in the schools to support sharing of best practices. The SIC will work collaboratively with the Director of Curriculum and Chief Academic Officer to advise principals and teachers on developing instructional strategies and intervention programs for struggling students.

Ideal candidates will have:
- Prior experience developing units and lessons with the end goal in mind, using standards to develop lessons and familiarity with multiple forms of assessment;
- Experience leading science teachers to improve instructional delivery;
- Strong knowledge of science content area and pedagogical practices to ensure high level engagement and academic mastery for students with low academic performance;
- Achieved significant academic gains as a science teacher in his or her own right; and
- Experience in analyzing data to adjust curriculum to ensure increased student mastery.

Reports to: Director of Curriculum

Responsibilities:
- Provide comprehensive instructional coaching in science:
  - Observe science teachers and provide specific strategies for improved instructional delivery
  - Work with science teachers, school leaders, and regional leaders to create and improve aligned science curriculum resources
  - Support science teachers by providing feedback on lessons and assessments that align with college readiness standards
- Serve as expert in national trends and best practices in science curriculum development and instructional strategy for historically underachieving students
- Secure external resources, professional development and materials to support individual science teachers, science teams and school teams
- Serve as a coach to science teachers by providing expert advice on improving and enhancing individual lessons and units based on ongoing analysis. This will include, but is not limited to:
Reviewing lesson plans, unit plans, and assessments
Understanding scope and sequence models
Observing classroom instruction and offering comprehensive analysis and feedback
Providing instructional strategy best practice training, as needed
Supporting the development of curriculum, using the backward design model and advising scope and sequence based on essential content knowledge that addresses state and national standards
Cultivating a standards-based, data and results-oriented culture
- Work with the Academic team on design and implementation of network-wide assessments; work collaboratively with campus-based leaders to make instructional decisions based on student performance
- Collaborate with principals in determining appropriate resources and support for teachers
- As a leader on the academic team, make recommendations on best practices for supporting curriculum alignment across all grade levels and individual schools; continue to advise and monitor this progress as schools grow by grade level and by school towards creating a comprehensive and aligned curriculum for K through twelfth grade

Qualifications:
- Strong record of helping students achieve academic success, primarily with minority and low-income students
- Significant experience with science curriculum development and daily lesson planning
- At least 3 years of science teaching experience required
- At least 2 years experience leading other teachers to achieve strong academic results with historically underachieving students
- Experience in analyzing data and using results to modify curricula
- Knowledge of and experience with backwards designed curricular models and Understanding by Design
- Significant experience with instructional methodology
- Experience leading adults in the development of curricula
- Multi-faceted, multi-skilled, resourceful, and willing to do whatever it takes to help our students reach a level of academic excellence
- Possess an entrepreneurial spirit, be flexible, willing and able to play different roles at the school, and to go above and beyond to meet the varied and constant needs of the students
- Model positive and healthy character traits and habits, such as being organized, consistent and understanding
- Excellent organizational, communication and facilitation skills
- Comfort and willingness to actively participate in school community as staff, including, but not limited to: teaching electives and tutoring students, and chaperoning local and out-of-state, overnight school trips
- Unquestioned integrity and commitment to the District mission and willingness to serve the school community
- Spanish bilingual a plus