

Miami-Dade County Public Schools

Job Description

CLASS TITLE: Science Coach

JOB CODE: 1536

DEPARTMENT: Curriculum and Instruction (Science) Salary Schedule: AO/CO

DATE: 10/1/08

BASIC OBJECTIVES

The Science Coach (K-5/6, 6-8, 9-12) will direct instructional services related to scientific literacy and inquiry-based instruction for students and provide technical assistance to teachers implementing the *K-12 Comprehensive Science Plan* at the school level. Emphasis will be on utilizing the coaching model to facilitate the successful implementation of research-based scientific literacy instruction. The Science Coach plays a pivotal role in the success of the school's science plan.

JOB TASKS/RESPONSIBILITIES

1. Assists with the coordination and implementation of the *K-12 Comprehensive Science Plan* at the school level.
2. Utilizes the coaching model to provide teachers an interactive, integrated, hands-on, inquiry-based instructional model at the school site.
3. Provides site-based professional development to staff that is aligned to the needs of students and teachers based upon student assessment data.
4. Assists administration and classroom teachers in the interpretation of student assessment data.
5. Assists in coordinating, implementing, and monitoring intervention services to identified students.
6. Participates in professional development in science content and pedagogy to assist classroom teachers with the delivery and coordination of science resources and the implementation of research-based, instructional strategies at school sites.
7. Plans and implements a professional development schedule to include topics such as but not limited to: the Next Generation Science Standards, reading in the content area, inquiry-based instruction, the effective implementation of differentiated instruction, and analyzing and utilizing student assessment data.
8. Performs other duties comparable to the above, as these duties describe only the typical, primary features of the job.

PHYSICAL REQUIRMENTS

There is light physical work, which requires the following physical activities: sitting, mobility, finger dexterity, grasping, repetitive motions, talking, hearing, and visual acuity. The work is performed indoors. Frequent travel within the county may be required.

MINIMUM QUALIFICATIONS

1. Minimum of three years classroom teaching experience in science at the elementary or secondary level.
2. Elementary certification for elementary candidates and Science 6-12 teacher certification for secondary.
3. Demonstrate an in-depth knowledge of science and principles of effective science instruction from advance coursework in science content and instruction.
4. Ability to work with administrators and faculties.
5. Ability to prepare and deliver presentations and workshops to varying audiences, including content area teachers and administrators.
6. Ability to work with teachers in a manner that effectively influences their instructional practices.
7. Exhibit knowledge of research-based instructional science strategies.
8. Demonstrate special expertise with reading strategies in the area of science.
9. Ability to analyze data and use it to guide instruction.
10. Ability to communicate effectively in both oral and written forms.
11. Evidence of the ability to engage students and teachers in science competitions and scientific investigations.
12. Evidence of excellence and effectiveness as a science classroom teacher.