

Elementary School Science Teacher

Job Description

Category: Teaching & Learning - Teacher

Department: Teaching & Learning Department

General Qualifications:

- Bachelor's degree in Education, Science, or a related field (Master's degree preferred).
- Teaching diploma or licensure for elementary education with a specialization in Science is preferred.
- Strong knowledge of elementary school science curriculum and instructional strategies.
- Effective communication, interpersonal, and organizational skills.
- Passion for fostering curiosity and a love for science exploration.

Reporting: Biology Coordinator for School

Job Goal: As the Elementary School Science Teacher for grades 4, 5, and 6, the primary responsibility is to provide engaging and comprehensive instruction in science, fostering curiosity, critical thinking, and a love for exploration. The role involves developing age-appropriate lesson plans, conducting hands-on experiments, and cultivating an environment that encourages students to explore the wonders of the natural world.. Below are the essential functions and responsibilities:

Essential Functions and Responsibilities

- Curriculum Development and Implementation:
 - Develop and deliver well-structured lesson plans aligned with the elementary school science curriculum.
 - Introduce and teach fundamental scientific concepts in an age-appropriate manner.
- Hands-on Experiments and Demonstrations:
 - Conduct hands-on experiments and demonstrations to make scientific concepts tangible for students.
 - Promote inquiry-based learning through interactive and exploratory science activities.
- Scientific Inquiry and Critical Thinking:
 - Foster scientific inquiry skills and critical thinking by encouraging students to ask questions, make observations, and draw conclusions.
 - Guide students in designing and conducting simple investigations.
- Integration of Technology:
 - Incorporate educational technology tools and resources to enhance science instruction.
 - Introduce students to age-appropriate science software and online resources.
- Environmental Awareness:
 - Explore environmental science topics and promote awareness of the impact of human activities on the environment.
 - Encourage responsible and sustainable practices through science education.
- Outdoor Learning and Nature Exploration:

- Facilitate outdoor learning experiences and nature exploration to connect classroom learning with the natural world.
- Organize field trips or outdoor activities that enhance students' understanding of science concepts.
- Collaboration with Other Subjects:
 - Collaborate with other subject teachers to integrate science concepts into interdisciplinary projects.
 - Connect science to other areas of study, such as math, language arts, or social studies.
- Science Fair and Projects:
 - Organize and oversee science fairs or science projects that allow students to showcase their scientific investigations.
 - Provide guidance and support for students in developing and presenting science projects.
- Assessment and Feedback:
 - Implement formative and summative assessments to evaluate students' understanding of scientific concepts.
 - Provide constructive feedback to students to enhance their scientific inquiry and analytical skills.
- Cultural Relevance:
 - Integrate culturally relevant examples and contexts into science lessons to make learning relatable.
 - Foster an appreciation for diverse contributions to scientific knowledge.
- Parental Communication:
 - Communicate regularly with parents or guardians to share information about students' progress in science.
 - Conduct parent-teacher conferences to discuss individual student performance and growth.
- Safety Protocols:
 - Ensure the implementation of safety protocols during science experiments and activities.
 - Educate students on the importance of laboratory safety and responsible conduct in science.

Evaluation Method

The Upper Elementary School Science teacher shall teach the Science Curriculum assigned for its section to the students. The Teaching & Learning Director will drive the evaluation process according to the defined procedure. The KPIs for measuring the effectiveness of the Upper Elementary School Science teacher's contribution to the overall function of the school include: *Student achievement in Science (standardized test scores, classroom assessment results), Scientific inquiry skills (critical thinking and analysis, experimental design), Hands-on learning and experiments (frequency of hands-on activities, student engagement in experiments), Technology integration (use of educational technology, Digital science literacy), Science fair and projects (quality of science fair projects, student initiative in projects), environmental awareness and sustainability (incorporation of environmental topics, promotion of sustainable practices),*

Collaboration with other subjects (interdisciplinary projects, integration with other subjects), Parental involvement and communication (communication with parents/guardians, parental engagement), Cultural relevance in science education (Integration of cultural examples, promotion of Diversity), Outdoor learning and nature exploration (frequency of outdoor activities, impact on student understanding), Safety protocols (implementation of safety protocols, student awareness of safety), Professional development (engagement in professional development, incorporation of new strategies).

Selection and Appointment Process

Interested candidates should submit a resume, a portfolio of similar work done, and a cover letter explaining their qualifications and interest in the position. Application instructions and contact information should be included. This Job Description provides an overview of the responsibilities and qualifications for a Upper Elementary School Science Teacher. The specific requirements and expectations may vary depending on the school's needs, and the scope of its teaching and learning efforts.