

## **Job Description: Middle School Science Teacher (CBSE Curriculum)**

**Position Title:** Middle School Science Teacher (TGT)

**Grade Levels:** 6-8

**Curriculum:** CBSE (Central Board of Secondary Education)

**Reporting To:** HoD - Science & AVP - Science

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### **Overview:**

The Middle School Science Teacher is responsible for delivering high-quality science education to students in grades 6-8, following the CBSE curriculum. The role involves planning, implementing, and assessing lessons in various scientific disciplines, including Physics, Chemistry, Biology, and Environmental Science. The teacher will foster curiosity, critical thinking, and a love for learning through interactive and engaging classroom instruction.

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### **Key Responsibilities:**

#### **1. Curriculum Delivery:**

- Develop and deliver lessons based on the CBSE science curriculum for classes 6-8, ensuring adherence to the prescribed syllabus and teaching guidelines.
- Integrate cross-curricular connections to enhance students' understanding of scientific concepts and real-world applications.
- Use a variety of teaching methods (e.g., inquiry-based learning, hands-on experiments, project-based learning, and multimedia resources) to engage students.
- Ensure that students understand basic scientific concepts, principles, and terminologies related to Physics, Chemistry, Biology, and Environmental Science.

#### **2. Lesson Planning and Preparation:**

- Plan and prepare engaging and age-appropriate lesson plans, aligning with the learning objectives and outcomes as per the CBSE guidelines.
- Create and maintain a positive and interactive classroom environment conducive to student learning and exploration.
- Incorporate differentiation strategies to cater to diverse student needs and learning styles.

#### **3. Classroom Management:**

- Establish and maintain clear classroom rules and routines to promote positive behavior and academic engagement.
- Manage student behavior effectively, promoting respect, cooperation, and responsibility in the classroom.
- Encourage students to develop inquiry skills, problem-solving abilities, and a growth mindset.

**4. Assessment and Evaluation:**

- Assess and monitor students' academic progress through regular quizzes, assignments, projects, and tests, aligned with the CBSE evaluation system.
- Provide timely feedback to students on their performance, highlighting strengths and areas for improvement.
- Prepare students for internal and external assessments, ensuring they are familiar with the exam format and expectations.
- Maintain accurate records of students' grades, assignments, and other academic data.

**5. Student Support and Motivation:**

- Provide individual and group support to students, addressing any learning challenges and promoting scientific inquiry.
- Foster a love for science through extracurricular activities, science clubs, field trips, or science fairs, where applicable.
- Encourage critical thinking, creativity, and scientific reasoning among students.

**6. Professional Development:**

- Stay current with developments in the field of education, especially within the science curriculum and the CBSE framework.
- Participate in regular professional development activities, workshops, and training sessions to improve teaching skills and content knowledge.
- Collaborate with colleagues, school leadership, and parents to support student growth and success.

**7. Communication and Collaboration:**

- Maintain open lines of communication with parents and guardians regarding students' progress and areas requiring attention.
- Collaborate with fellow teachers to align teaching methods, resources, and strategies for the overall development of students.
- Engage in regular meetings with the school administration to discuss curriculum implementation, challenges, and student outcomes.

**8. Health and Safety in the Labs:**

- Ensure that safety guidelines are followed, especially during science experiments, practical sessions, and field trips.
- Educate students on laboratory safety, proper handling of materials, and hygiene in science classrooms in the Junior Science Lab and other related laboratories.

**9. Skills & Competencies:**

- In-depth knowledge of the CBSE science curriculum for grades 6-8.
- Strong classroom management skills.
- Proficiency in using technology (smart boards, educational software, etc.) to enhance learning.
- Effective communication and interpersonal skills.
- Ability to work in a team and collaborate with colleagues.
- Passion for teaching and a strong commitment to student development.
- Strong problem-solving skills and adaptability.

#### **10. Working Conditions:**

- Full-time position during school hours, with some additional time required for lesson planning, grading, and extracurricular activities.
- Opportunity to participate in school events, professional development programs, and curriculum development initiatives.

#### **11. Performance Expectations:**

- Consistently effective lesson delivery that results in improved student outcomes and engagement.
- Positive feedback from students, parents, and colleagues.
- Active participation in school activities and professional growth.

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**HOD – SCIENCE**

**AVP - SCIENCE**