

## Job Description

**Title:** Middle School Science  
**School:** American School of Kuwait  
**Supervisor:** Middle School Principal

### Qualifications

- Current teaching certification appropriate to age level and subject specialization
- A minimum of an undergraduate degree in education and subject specialization
- A strong knowledge of the subject content throughout middle school levels
- Previous science teaching experience
- Strength in teaching science within a Multiple Intelligences framework
- Strength in teaching science in a collaborative fashion
- An ability to communicate well with others
- Willingness to work beyond the work day
- Excellent organizational skills
- A positive attitude
- A proven record of maintaining high standards
- Willingness to supervise co-curricular activities
- Awareness of or willingness to learn the *Understanding by Design* unit planning process

### Preferred Skills

- Experience in a position of leadership
- An ability to multi-task
- Experience in curriculum and assessment development
- Recent and relevant professional development

### **ASK Science Department Philosophy:**

The Science faculty at The American School of Kuwait is committed to creating an environment in which students develop an enthusiasm for investigation and problem-solving. Our goal is to help cultivate the skills, knowledge, and personal qualities that make for not only successful science students, but also dynamic and creative citizens. The department sets high expectations so that our students learn the value of disciplined work habits while providing positive support to help our students maximize their potential. As a department, we also work to foster an inquisitive and creative approach to science with the overall goal of producing balanced students who have the ability to think critically, reason objectively, and solve problems in all aspects of life. It is our hope that our students leave The American School of Kuwait with the knowledge of the problems faced by the international community today, the desire and skills to help find solutions to those problems, and an understanding of their importance as individuals in this process.

## **General Subject Responsibilities**

The middle school science teacher will teach six periods of an eight period modified block schedule. Science Classes will be taught from one of the following sections:

### **Grade 6 Science**

Grade 6 science is the first of a three-year science program that places an emphasis on technological design, scientific reasoning, and questioning the physical world around us. The course supports a balance between cooperative learning and independent study. There is a focus on project based learning. Topics include: *Introduction to Physics* – motion, forces and work; and, *Earth Science* – plate tectonics, earthquakes, energy sources, volcanoes and global weather patterns.

Resources:     *Matter and Energy*, McDougal Littell Middle Science Modules, 2007  
                    *Earth's Atmosphere*, McDougal Littell Middle Science Modules, 2007  
                    *Earth's Waters*, McDougal Littell Middle Science Modules, 2007  
                    *Motion and Forces*, McDougal Littell Middle Science Modules, 2007  
                    *The Changing Earth*, McDougal Littell Middle Science Modules, 2007

### **Grade 7 Science**

Grade 7 science places its focus on the topic of *Life Science*. Students will learn and use the scientific method (ask a question, do background research, construct a hypothesis, experimentation, analysis of data, communication of results) to explore *Life Science*. The *Life Science* units include how living things function, adapt, change, and interact in their environment. Two semesters are dedicated to this topic in order to foster an in-depth learning of the subject. Emphasis is placed on experiments, scientific analysis, and a balance between cooperative learning and individual study.

Resources:     *Cells and Heredity*, McDougal Littell Middle Science Modules, 2007  
                    *Human Biology*, McDougal Littell Middle Science Modules, 2007  
                    *Diversity of Living Things*, McDougal Littell Middle Science Modules, 2007  
                    *Ecology*, McDougal Littell Middle Science Modules, 2007

### **Grade 8 Science**

Grade 8 science is a year-long course broken into two semesters. The first semester begins with an intensive study of the scientific method, followed by an examination of the fundamentals of chemistry. Focus is placed on chemical reactions and developing laboratory and reasoning skills. The second semester places its focus on the fundamentals of physics. In this semester, students work to apply concepts that describe force and motion and the principles that explain them. Overall emphasis is placed on scientific analysis, experimental design, project-based learning, and a balance between cooperative learning and individual study.

Resources:     *Electricity and Magnetism*, McDougal Littell Middle Science Modules, 2007  
                    *Waves, Sound, and Light*, McDougal Littell Middle Science Modules, 2007  
                    *Chemical Interactions*, McDougal Littell Middle Science Modules, 2007

## **General Teaching Responsibilities**

In addition to the subject responsibilities, teachers at ASK are welcomed into a collegial and collaborative working environment. In support of this teachers are expected to:

- Communicate and liaise on a regular basis with fellow department/grade members with regard to planning, assessment, parent and community contact, subject organization and classroom issues such including discipline, expectations and routines
- Communicate and liaise with other school colleagues in an effort to promote and establish integrative links and/or awareness
- Take an active role in behavioral management and pastoral care of class and home room groups
- Attend and constructively contribute in staff meetings
- Assist in supervision of student breaks
- Coordinate class activities as deemed necessary
- Maintain up-to-date records of assessment, attendance, planning, reports, conferences, and communication with parents
- Establish links with your parent community to ensure that parents are kept well informed about student progress
- Assist, as required, in the development of curricular materials
- Act as a resource/contact/support for new staff members (i.e. curriculum, schedules, procedures)
- Participate in at least one co-curricular activity per year (stipend)
- Participate in and assist with school events as required

**School Hours:** 6:45 a.m. to 2:30 p.m. Sunday through Thursday.  
Classes meet 7:15 a.m. – 2:00 p.m.  
Weekends – Friday and Saturday

**Contact:** For more information contact Mr. David Brown (Middle School Principal) at [brownd@ask.edu.kw](mailto:brownd@ask.edu.kw)

*(Revised January 2011)*