**7th Grade Science Course Syllabus**

**Cedar International School**

**2010-2011**

**Unit 1: Environmental Systems**

We will begin our studies with an investigating into the interconnectedness of processes on Earth. The biosphere (atmosphere, lithosphere, hydrosphere) will be briefly examined on our way to an in-depth study of ecosystems on planet Earth. Energy flow, relationships and niches will be thoroughly examined. The impact that humans have had on numerous ecosystems will also be examined.

**Unit 2: Physics**

Force, Motion, Waves, Light and Sound will be the topics of our 2nd unit of study. Using numerous hand-on investigations, students will gain an understanding of motion in the world around them.

**Unit 3: Chemistry**

We will continue our investigation into chemistry, begun in 6th grade, with a much more in-depth look at changes in matter, substances and mixtures.