SCIENCE DEPARTMENT

Woodmere Middle School

Science Grade 6:

The sixth grade science program emphasizes the biological sciences. Topics included in this course are cells, life processes, plant and animal life, genetics and the human body. In addition, students will be involved in an interdisciplinary exploration of environmental issues. Students will delve into the scientific method, and present their findings at the 6th Grade Science Fair.

Science Grade 7:

The seventh grade science program emphasizes the physical sciences. Topics included in this course are chemical safety, measurement, matter, atomic structure, the periodic table, bonding, chemical reactions, acids and bases, solutions, suspensions and mixtures, force and motion, as well as simple machines. The program also includes the process of developing a project for the Consumer Olympics.

Science Grade 8:

The eighth grade science program incorporates earth science together with additional aspects of physical and life sciences. Some of the topics included in this course are an introduction to astronomy and Earth motions, rocks and minerals, as well as weather. Students follow the scientific method in laboratory work, reports and a research paper for the Eighth Grade Science Fair. At the end of the 8th grade course, students will take the Intermediate Level Science Assessment, which covers all the sciences taught throughout the 6th, 7th, and 8th grades.

Earth Science H:

Earth Science is an accelerated course which selected students may take in grade 8 instead of the traditional Science 8 curriculum. Eighth graders may take this class with the recommendation of their grade 7 science teacher or with the approval of the science department chairperson. Students who successfully complete Earth Science and pass the New York State Earth Science Regents Examination will receive one high school credit in science. The final average is weighted (1.05) as an honors course in the calculation of the student's grade point average. The Regents Examination score counts as one-fifth of the student's final average in Earth Science. The Earth Science program emphasizes physical science. Topics included in this course are measurement, cycles, environmental awareness, contours of the Earth, astronomy, water, climate, weathering, erosion and deposition, landscapes, meteorology, rocks and minerals and the Earth's history. The program also includes the process of developing a research project for the Woodmere Middle School Science Fair.

**Earth Science is an accelerated honors high school level course offered at Woodmere Middle School. It is important to note that final averages and Regents Exam scores from Earth Science will appear on the students' permanent high school transcripts.*