Freeport Area Middle School
Eighth Grade Science

The topics will include, but not be limited to:

-Lab safety
-Careers in science
-Forces and motion
-Energy and resources
-Environmental and Ecological Connection
-Atoms and bonding
-Chemical technology

Textbooks to be used will include:

-FORCES AND ENERGY: *Interactive Science* - Prentice Hall Publishing
-CELLS AND HEREDITY: *Interactive Science* - Prentice Hall Publishing
-ECOLOGY AND THE ENVIRONMENT: *Interactive Science* - Prentice Hall Publishing
-SCIENCE VOYAGES: Glencoe
-CHEMISTRY OF MATTER: Prentice Hall Publishing

-In addition to these textbooks, a variety of movies, videotapes, periodicals, and computer software may be used when appropriate.

Grading

All letter grades will be determined using the building scale:

A = 91% to 100%

B = 81% to 90%

C = 70% to 80%

D = 60% to 69%

Final grades will be determined according to the following percentages:

Tests & Quizzes	40% of final grade
Homework	20% of final grade
Projects	20% of final grade
Lab Work	15% of final grade
Classroom procedures	5% of final grade

Assessment will be made from:

-Teacher prepared tests and quizzes
-Classroom Participation
-Classroom presentations
-Lab performance and write-ups
-Science projects

Mark Caruso
8th Grade Science
Freeport School District

General Science

This course is designed to introduce the student to the world of science and technology in which he or she lives emphasizing the use of scientific thinking. *Eighth Grade Science* includes a background in the fields of chemistry, ecology, simple machines, physics, earth/space, and electricity. We will look at Genetic diversity and how it ranges across the human and animal biological entities. This will lead into the study of the effects of drugs and alcohol on the equilibrium of human body systems. Each unit will be tied in either directly or indirectly to the environmental impact/connection to our society.

You will also be required to complete a few semester projects during your own time. There will be minimal time given to work in class and in the computer lab as the work will mostly be carried out as an independent study.

We will conduct various experiments in class as is appropriate for the current unit. Participation in these labs is required for successful understanding of the topics and curriculum.

In short… we will have some fun! (but not too much)