

**NAZARETH ACADEMY HIGH SCHOOL
SCIENCE DEPARTMENT
2011 SUMMER ASSIGNMENTS**

9th grade BIOLOGY - Assignment mailed to all freshmen

10th grade PHYSICAL SCIENCE

Read a science fiction book of your choice. The book:

- 1) must be at least 8th grade reading level
- 2) must have as its main theme: **SCIENCE**, and not horror or fantasy,
- 3) may be a current publication or an older work.

POSSIBLE authors: Robin Cook, Michael Crichton, John Case, Ray Bradbury, Frank Herbert, H.G. Wells, Isaac Asimov, Jules Verne, etc.

Record: Title	Scientific Concept Stressed
Author	Effects on Humanity or Nature
Year published	

Be prepared to apply your reading to the saying, "Today's science is tomorrow's reality."

Honors Chemistry/ Chemistry Assignment distributed by Mrs. Quinn

Environmental Science Assignment distributed by Mrs. Fox

AP Biology Assignment distributed by Miss Wizz

Physics The Physics of Star Trek by Lawrence Krauss **OR**
A Brief History of Time: The Updated and Expanded 10th Edition by Stephen Hawking **OR**
Physics For Future Presidents: The Science Behind the Headlines by Robert Muller **OR**
ALTERNATIVE: Visit the Franklin Institute (Philadelphia) or The Liberty Science Center (New Jersey), and carry out any 8 – 10 experiments from their exhibits. Write up a thorough description of each experiment. Subjects can include: Motion, Force, Momentum, Energy, Gravity, Nuclear, Heat, Waves, Sound, Light, Electricity, and Magnetism.