

8th Grade Science Syllabus 2009-2010

September

Introduction, Safety, Experimental design, Measurement, Data Collection and Analysis.

Science Project: Electric Circuits, Electromagnets

February

Motion and Forces, acceleration, Newton's Laws,



Projects: Rockets

October

Phases of Matter, Particle theory, Mass, Periodic table of elements, Chemical Interactions, Chemical and Physical changes

Science Project:

March

Gravity, Friction, Mass, Velocity, Speed, Mechanical Interactions

High Tech Fair F.T

Spring Break

Project:

November

Chemical Bonding, Reactions, Balancing equations, Solutions,



Acids and Bases

Project: Creating Polymers

April

Elastic Forces, Density, Buoyancy,



Gas Laws,

Project: Float my Boat!

December

Acids and Bases, Solutions

CHRISTMAS BREAK

FT to Nimitz

May

Astronomy; our solar system, galaxies, star formation, Planets

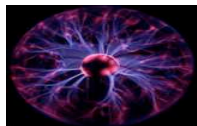


Project: Planet Brochure

January

Organic Chemistry, CHNOPS.

Visit from General Atomics:



Plasma Lab

June

Family Life



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