**Grade 5 Science: Forces and Simple Machines**

**Vocabulary: define for each term. Illustrate a picture to aide your understanding (if you can).**

Force:

Contact force:

Non-contact force:

Law of gravity:

Weight:

Mass:

Newton:

Magnetic force or magnetism:

Friction:

Applied force:

Simple machine:

Load:

Mechanical advantage:

Effort:

First class level:

Second class lever:

Third class lever:

Fulcrum:

Fixed pulley:

Movable pulley:

Combined pulley:

Flint mapping:

Complex machine:

Lever:

Wheel and axle:

Pulley system:

Inclined plane:

Wedge:

**Grade 4 Science: Light**

**Vocabulary: define for each term. Illustrate a picture to aide your understanding**

Ray:

Natural light:

Artificial light:

Reflect:

Refraction:

Emit:

Luminous:

Illuminated:

Optical device:

Transparent:

Translucent:

Opaque:

Optometrist:

Ophthalmologist:

Prism:

Pigments:

Visible light:

White light:

Electromagnetic waves:

Electromagnetic radiation:

Infrared light:

Ultraviolet light:

Particle theory of light:

Wave theory of light:

Quantum theory of light:

Light waves:

Wavelength:

Frequency:

Trough:

Rainbow spectrum:

R.O.Y.G.B.V.:

Kaleidoscope:

Pupil:

Iris:

Retina:

Lens:

Cones and rods: