

Applied Science and Technology – Vocabulary you need to know!
December 2023

Sample:

Equilibrium: when an object stays in one place – balance. Ex. The car found its equilibrium, with two wheels in the air and two the ground, it could go either way!

Force:

Fire triangle:

Magnetic field:

Resistance:

Volts:

Amperes:

Intensity:

Conservation of energy:

Thermal:

Mechanical:

Electrical:

Energy dissipated:

Series circuit:

Parallel circuit:

Electromagnet:

Adhesion:

Malleability:

Constraint:

Compression:

Deflection:

Torsion:

Tension:

Speed ratio in gears:

Non-renewable resource:

Greenhouse gases:

Fossil fuel:

Oxidizing agent:

V.I.R.

Positive – Negative charges

Watts

Transformer

Friction gears

Perpendicular

Worm gear

Sprocket wheel and chain

Geothermal

$$E = P * T$$

$$P = V * I$$

Density = Mass/volume

Intensity of gravity on earth: 9.8 N/kg

Systems

Oxygen

Water

Planets

Human bodies

Ozone layer

Solar flares:

Climate change:

De-forestation:

Plastic:

Smog:

Sources of energy (clean and not)

Oil (pipelines etc.)

Earth's layers

Natural disasters (hurricanes, tornadoes, tropical storms, earthquakes, volcanoes)

Water

Plants

Planets

Bernoulli

Newton

Bridges

Levers