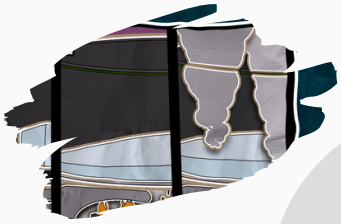
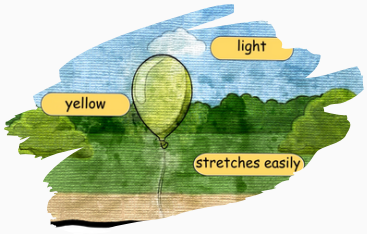
LIFT LESSONS

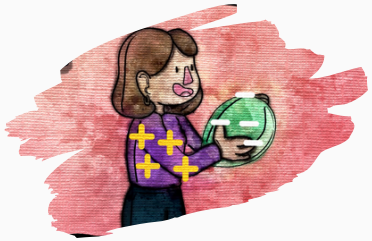
Word Aware

Matter Challenge



- **Matter**
- states of matter
- particle
- molecule
- atom
- subatomic particles *challenge*
- chemical properties
- physical properties
- charge
- ion *challenge*

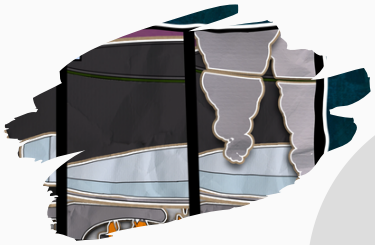




LIFT LESSONS

Word Aware

Matter



Matter

states of matter

particle

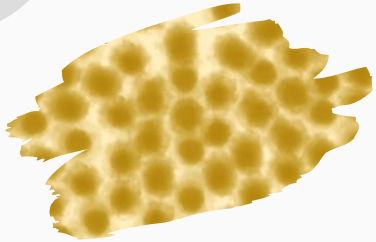
molecule

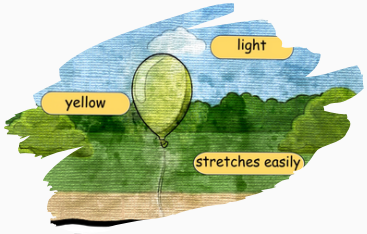
atom

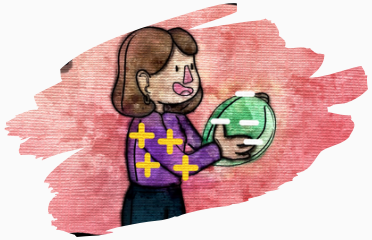
chemical properties

physical properties

charge

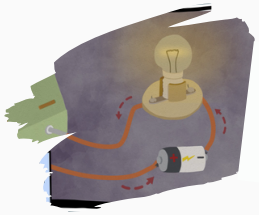


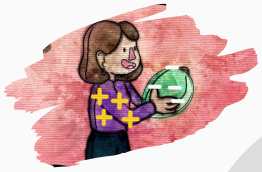


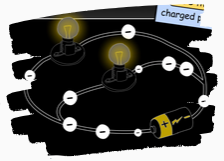


LIFT LESSONS

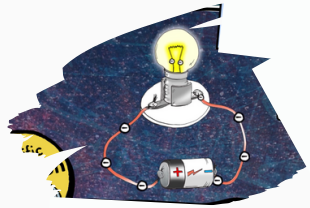
Electricity Challenge

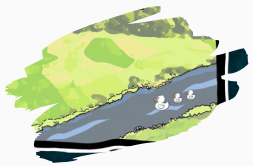


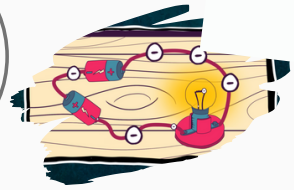




- **Electricity**
  - charge
  - charged particle
    - conductor
    - insulator
    - particle
    - static electricity
  - electric current
    - series circuit *challenge*
    - parallel circuit *challenge*
    - circuit
    - resistance *challenge*
    - potential difference (voltage) *challenge*



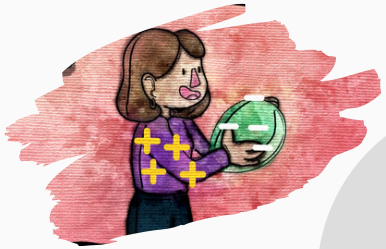




LIFT LESSONS

Word Aware

Electricity

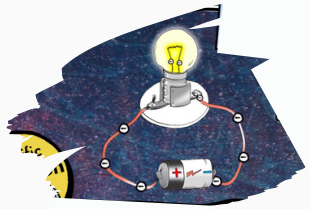


Electricity

charge

conductor

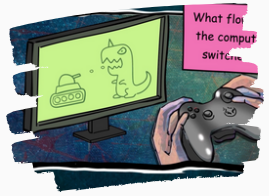
insulator



charged particle

circuit

electric current



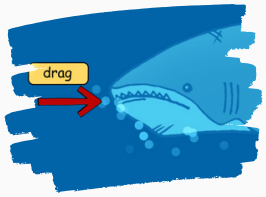
particle

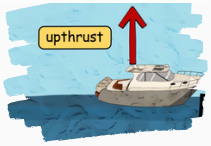
static electricity

LIFT LESSONS

Word Aware

Forces Challenge



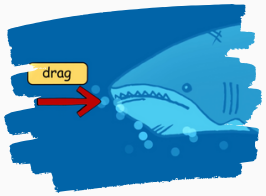


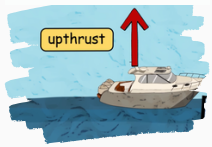
- contact force
- non-contact force
- weight
- drag
- friction
- *challenge* gravitational field strength
- mass
- upthrust
- gravity
- momentum *challenge*
- acceleration *challenge*
- normal contact force
- **Force**
- balanced forces
- velocity *challenge*
- compression
- unbalanced forces
- resultant force *challenge*
- displacement *challenge*
- pressure
- density
- linking flight

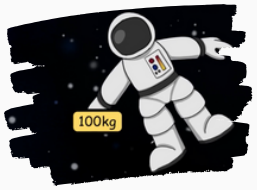
LIFT LESSONS

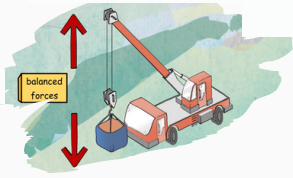
Word Aware

Forces





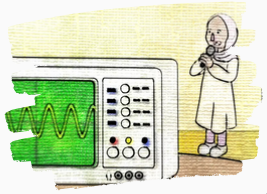




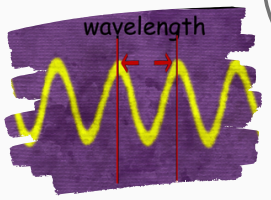
- contact force
- non-contact force
- weight
- drag
- friction
- mass
- upthrust
- gravity
- normal contact force
- **Force**
- balanced forces
- compression
- unbalanced forces
- pressure
- density
- linking flight

Sound and Light Challenge

amplitude



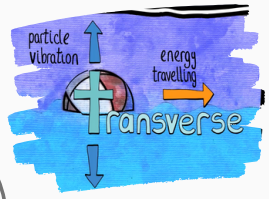
frequency



wavelength

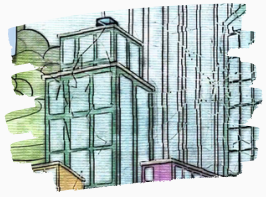
wave

transverse wave *challenge*



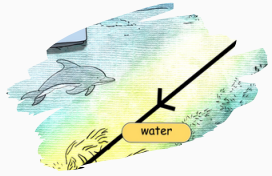
longitudinal wave *challenge*

vibration

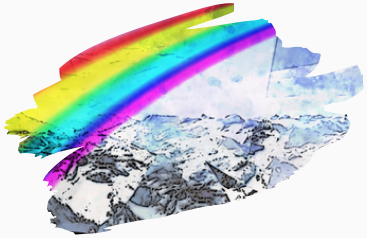


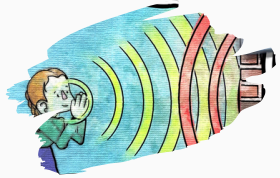
Sound and Light

reflection



refraction





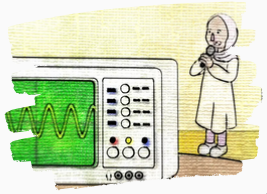
to transmit

LIFT LESSONS

Word Aware

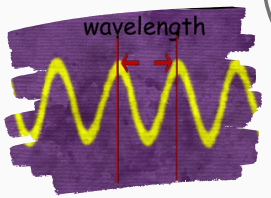
Sound and Light

amplitude

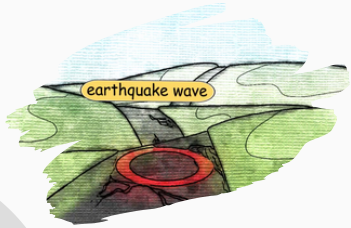


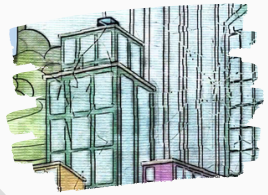
frequency

wavelength



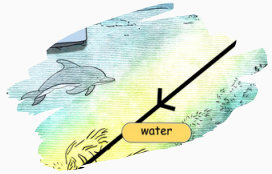
wave





vibration

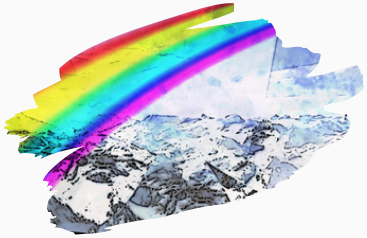
Sound and Light

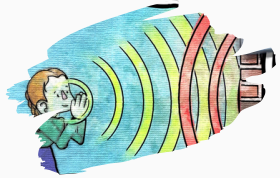


reflection

refraction

to transmit





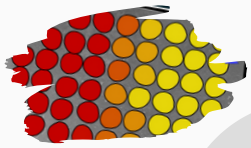
LIFT LESSONS

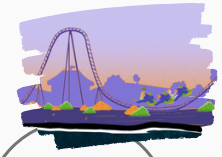
Word Aware

Energy Challenge

Energy

- kinetic store *challenge*
- gravitational store *challenge*
- thermal store *challenge*
- elastic store *challenge*
- chemical store *challenge*
- to dissipate *challenge*
- to transfer *challenge*
- to conserve *challenge*
- conduction *challenge*
- convection *challenge*
- radiation *challenge*
- work *challenge*
- power *challenge*
- efficiency *challenge*
- renewable resource *challenge*
- non-renewable resource *challenge*
- fossil fuel *challenge*

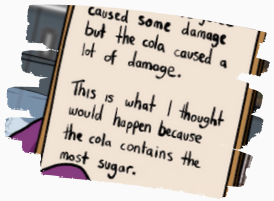


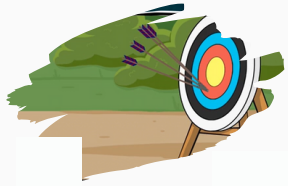


LIFT LESSONS

Word Aware

Working Scientifically





Working Scientifically

observe

scientific evidence

hypothesis

conclusion

precise

accurate

reliable result

anomaly

fair test

control variables

dependent variable

independent variable

linking valid experiments