

Science 8 Curriculum

Laboratory Safety

Matter

- Phases
- Solubility
- Density
- Buoyancy
- Mixtures, suspensions, and solutions

Motion

- Newton's Laws
- Force, gravity, magnetism, electricity
- Simple machines
- Work and power
- Friction
- Position, direction, speed

Genetics

- Genes, chromosomes, heredity
- Punnett square
- Pedigree charts
- DNA
- Dominant/recessive traits

Reproduction and development

- Mitosis/meiosis
- Sexual/asexual
- Plants/animals
- Photosynthesis/cell respiration

Weather

- Climate
- Air masses
- Fronts
- High/low pressure systems
- Hazardous weather
- Affects on weather
- Atmosphere
- Climate

Science fair project

Magnetism & electricity

- Properties
- Energy transfer
- Kinds of electricity, circuits
- Magnets and magnetic effects

Light & sound

- Properties
- Energy transfer
- Waves, sound waves, sound effects
- Visible light, invisible light, high-tech light
- Kinds of electricity, circuits
- Magnets and magnetic effects

Review lab practical

Review written exam