

## Year 9 Science

### Sound

- Describe how sound is made and how sound is observed in an oscilloscope.
- Describe the Bell Jar experiment.
- Draw a bar graph.
- Label a diagram of an ear and explain how we hear.

### Magnetism and electricity

- Know that opposite poles attract and similar poles repel.
- Draw a series and parallel circuit with symbols.
- Identify components from symbols.

### Chemical Reactions

- Recall the 3 states of matter.
- Define and distinguish between physical and chemical changes.
- Know the word equation for magnesium burning in oxygen.

### Food and digestion

- Know the food tests for Starch, Sugar and Protein.
- Name the parts of the digestive system and describe the role of each part.
- Label the parts of the digestive system.
- Describe the method for testing for sugar.

### Skills

Literacy skills - spelling of key words and correct use of grammar.

Numeracy skills - completing and drawing a bar graph.

### Key Words

Oscilloscope/ vibrate/outer ear/ auditory canal/ear drum/ cochlea/ auditory nerve/ vacuum/ tuning fork.

North and South pole/ Series circuit/ parallel circuit/ ammeter/ voltmeter/ bulb/ battery/ cell/ resistor/switch.

Solid/ liquid/ gas/ physical change: temporary change/ permanent change: chemical change/ Oxidation.

Starch: Iodine/ Sugar: Benedict's/ Protein: Biuret/ mouth/ oesophagus/ stomach/ large and small intestines/ appendix/ anus.