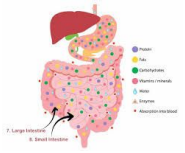
SCIENCE - Year 7

CURRICULUM ROADMAP

BEDE'S
AMBITIOUS
ACADEMIC FACULTIES






B2 1 Health and lifestyle

Year 8

END OF YEAR EXAMINATION

1.1 Nutrients

1.3 Unhealthy diet

1.5 Bacteria and enzymes in digestion

1.7 Alcohol

3.8 Seed dispersal

3.6 Flowers and pollination

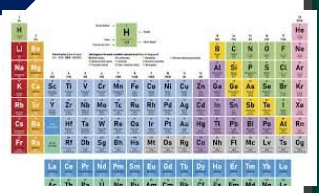
1.2 Food tests

1.4 Digestive system

1.6 Drugs

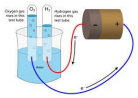
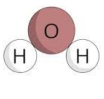
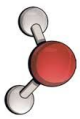
1.8 Smoking

3.7 Fertilisation and germination



3.5 The menstrual cycle



3.3 Fertilisation and implantation

3.7 Exothermic and endothermic

3.5 Using ratios

3.4 Decomposition reactions

2.3 Compounds

2.1 Elements

C1 2 Elements, atoms and compounds

3.4 Development of a foetus

SUMMER TERM

3.2 Reproductive systems

3.1 Adolescence

B1 3 Reproduction

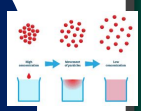
3.6 Conservation of mass

C1 3 Reactions

2.4 Chemical formulae

2.2 Atoms

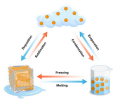
1.7 Diffusion








C1 1 Particles and their behaviour



1.6 More changes of state

1.2 States of matter

1.5 Boiling



3.1 Light

3.3 Refraction

3.5 Colour

1.4 Melting and freezing

P1 3 Light

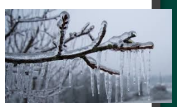


3.2 Reflection

3.4 The eye and the camera

1.1 The particle model

1.3 density

2.5 Echos and ultrasound

P1 2 Sound





2.4 Detecting sound




2.1 Waves

2.5 Movement: joints

2.3 Breathing

2.1 Levels of organisation

Science week: Escape room consolidation activity



2.3 Loudness and pitch

SPRING TERM

1.5 Balanced and unbalanced



2.2 Sound

2.6 Movement: muscles

2.4 Skeleton

2.2 gas exchange

B1 2 Structure and function of body systems



1.4 Forces at a distance



C1 4 Acids and alkalis




B1, 1: Cells



1.3 drag forces and friction

1.2 Squashing and stretching

4.2 Indicators and pH

Rainbow challenge

4.4 Making salts

1.1 Observing cells

1.4 Movement of substances

P1 1 Forces

Y7

AUTUMN TERM

1.1 Introduction to forces



1.2 Plant and animal cells

1.3 Specialised cells

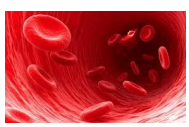
1.5 Unicellular organisms

4.1 Acids and alkalis

4.3 Neutralisation







SCIENCE - Year 8

CURRICULUM ROADMAP

BEDE'S AMBITIOUS ACADEMIC FACULTIES









Year 9

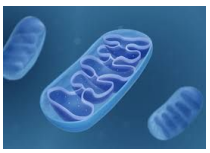
3.4 Pressure in liquids

3.5 Pressure in solids

END OF YEAR EXAMINATION

3.3 Pressure in gases

3.2 Motion graphs



3.6 Turning forces



Leavers escape room consolidation activity





P2 3 Motion and pressure



2.2 Leaves

B2 2 Biological processes

3.7 Polymers

2.4 Aerobic respiration

P2, 3.1 Speed

3.5 Extracting metals



2.5 Anaerobic respiration

2.3 Plant minerals

2.1 Photosynthesis

3.8 Composites

3.6 Ceramics





C2 1 The periodic table

C2 3 Metals and other materials

3.4 Metal displacement reactions



2.5 Energy transfer: particles

2.6 Energy transfer: radiation

1.3 Metals and non metals

3.1 Metals and acids

3.3 The reactivity series

2.4 Energy and temperature

SUMMER TERM

2.3 Energy adds up

2.7 Energy transfer: forces

2.8 Energy and power

1.5 The elements of group 1 metals

3.2 Metals and oxygen



2.2 Energy resources



2.1: Food and fuels

P2 2 Energy

B2 3 Ecosystems and adaptation





3.3 Ecosystems

3.1 Food chains and webs

2.7 Chromatography

2.5 Filtration

2.3 Solutions

C2, 2.1: Pure substances

3.5 Adapting to change

SPRING TERM

C2 2 Separation techniques



3.4 Competition

3.2 Disruption to food chains and webs

2.6 Evaporation and distillation

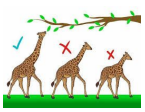
2.4 Solubility

2.2 Mixtures

1.8 Electromagnets



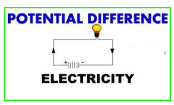
4.2 Continuous and discontinuous



4.4 Natural selection



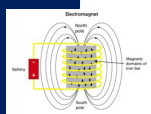
P2 1.1 Charging up



1.3 Potential difference

1.9 Using electromagnets

1.7 Magnets and magnetic fields



Y8

AUTUMN TERM

1.6 Series and parallel

B2 4.1 Variation

4.3 Inheritance

4.5 Extinction

1.2 Circuits and current

1.4 Resistance

1.5 Changing the subject

B2 4 Inheritance







P2 1 Electricity and magnetism

