e Staff: PL/CW

# Autumn term/ Spring term 1

### Component 6

Physics: Electricity, magnetism, and waves

- Electrical current
- **o** Domestic electricity
- Magnetism and electromagnetism
- Different types of waves
- Electromagnetic waves

### **Component 4**

**Chemistry: Chemistry in our world** 

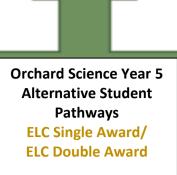
- Reactions of acids
- Energy and rate of reaction
- Fuels and the atmosphere
- Water for drinking

## Spring term 2/ Summer term Component 2

Biology: Environment, evolution, and inheritance

- Feeding relationships
- Organisms and the environment
- How life developed on Earth

#### **Vocational Options**



Vocational options

# Orchard Science Year 4

Alternative Student Pathways ELC Single Award

Vocational options

## Spring term 2 / Summer term

### Component 5 Physics: Energy, forces, and the

structure of matter

- o Energy
- Forces and work
- Speed and stopping distance
- Atoms and nuclear radiation

Vocational options

## Autumn Term/ Spring term 1

Component 1

- Biology: The Human Body
  - What is the body made of?
  - $\circ$   $\,$  How the body works  $\,$
  - How the body fights disease
  - How the body is coordinated

### **Component 3**

Chemistry: Elements, mixtures, and compounds

- Atoms, elements, and compounds
- Mixtures and compounds
- Metals and alloys