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

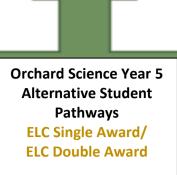
- Reactions of acids
- Energy and rate of reaction
- Fuels and the atmosphere
- Water for drinking

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