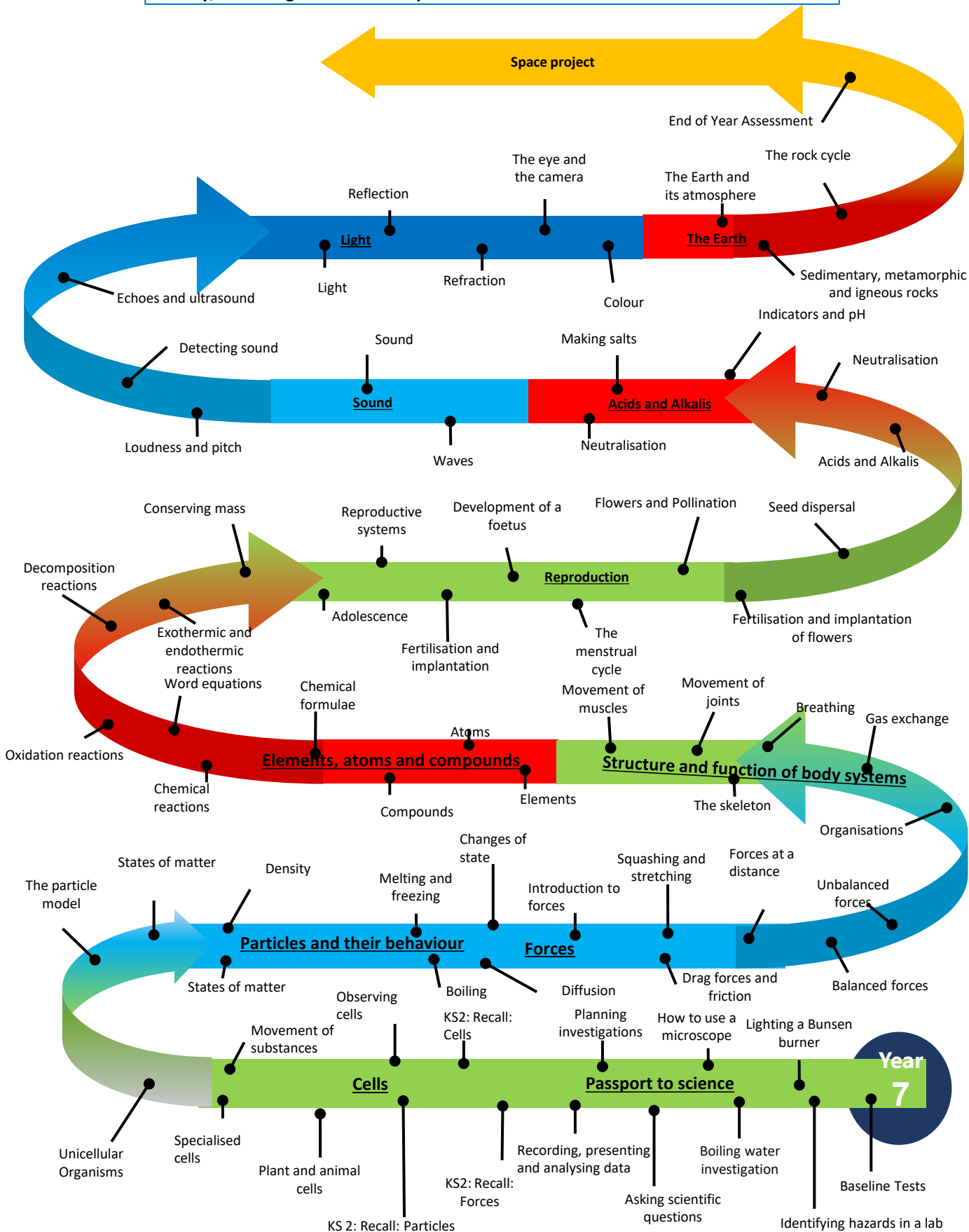




Curriculum Journey: Year 7 Science

23-24

Skills for Year 7 Science: Confidently lighting a Bunsen burner; Naming equipment fluently; Following a method safely



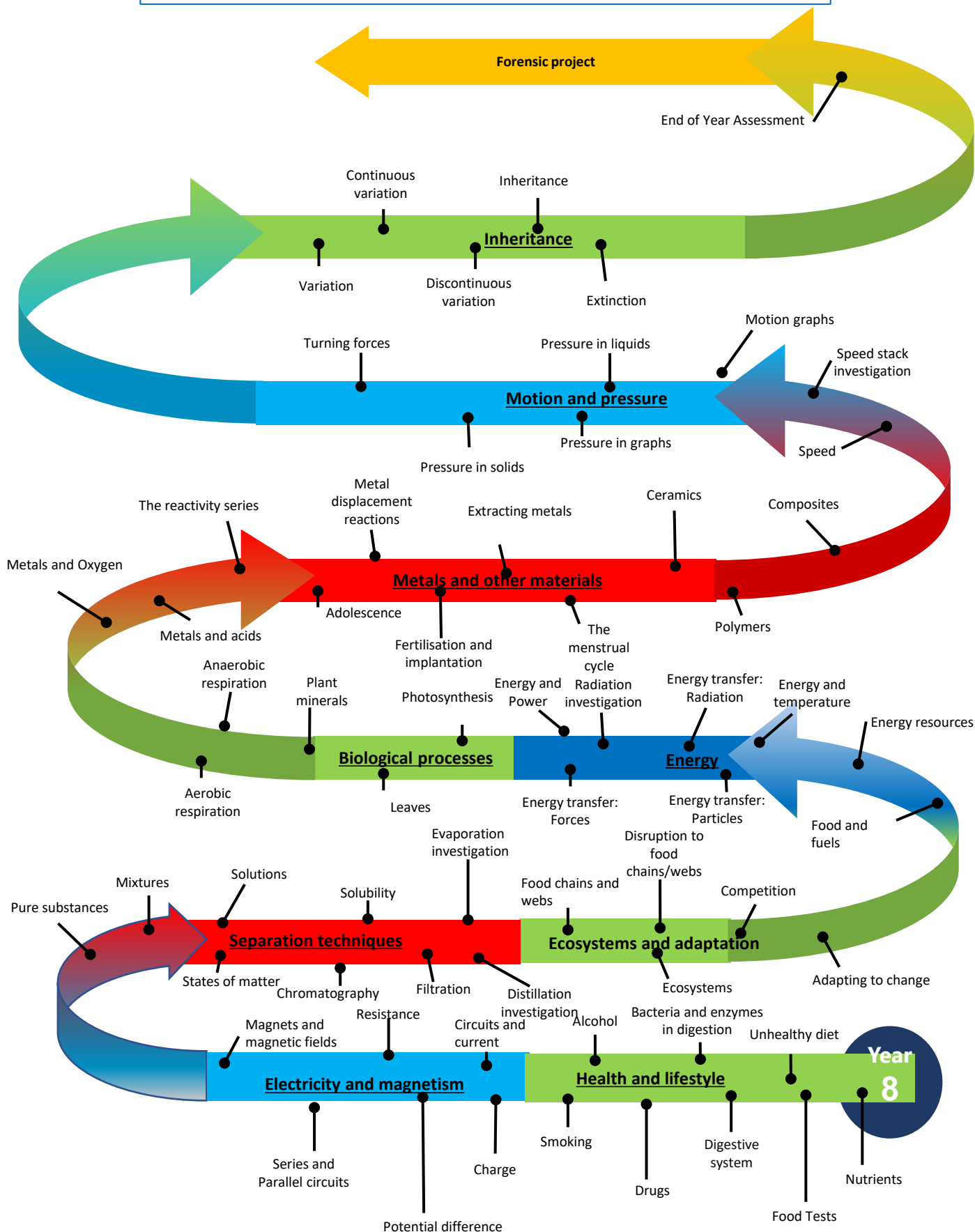
Year 7



Curriculum Journey: Year 8 Science

23-24

Skills for Year 8 Science: Naming independent and dependent variables; Fluently writing methods



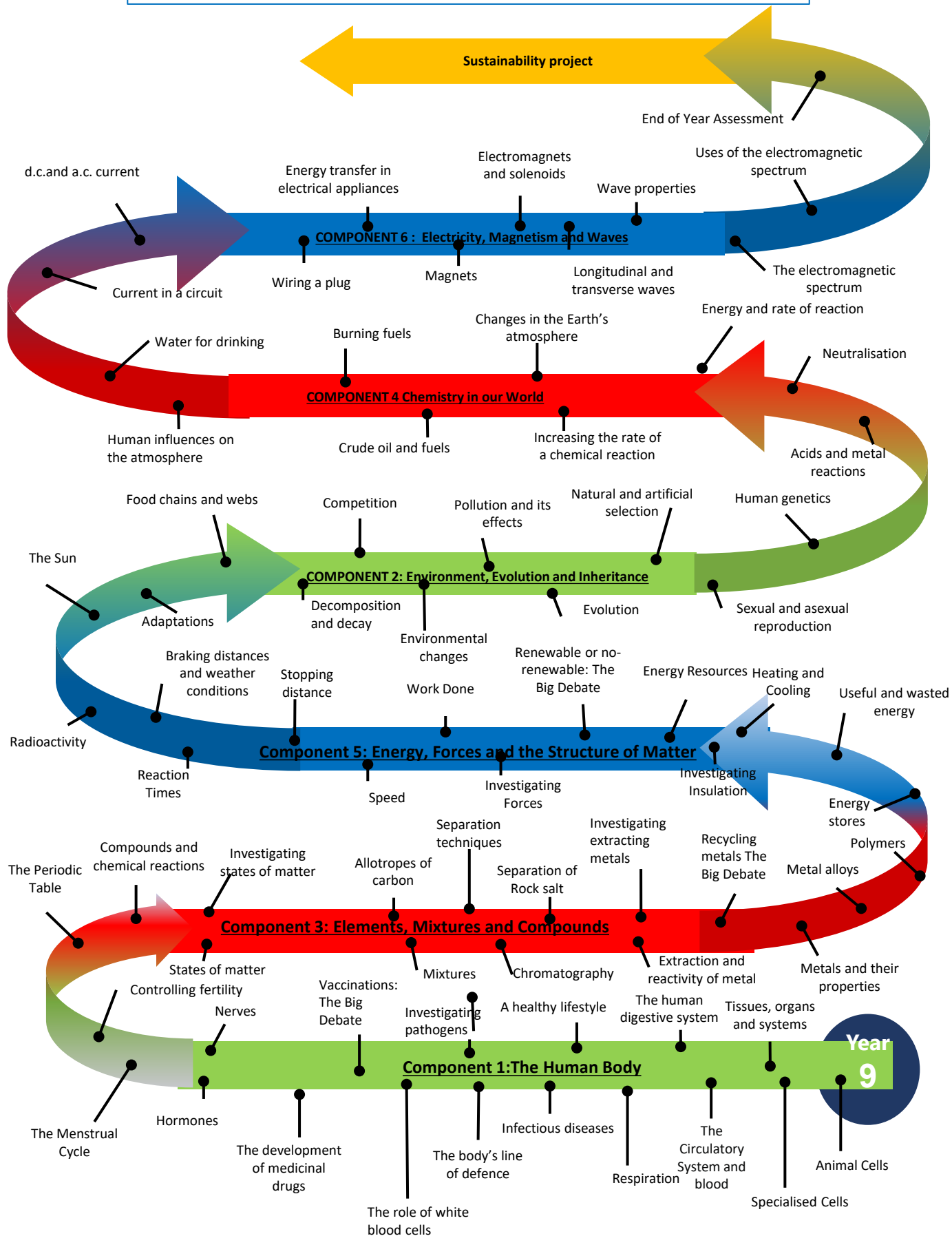
Year 8



Curriculum Journey: Year 9 Science

23-24

Skills for Year 9 Science: Competently drawing graphs; Writing conclusions; Evaluating results





Curriculum Journey: Combined Science 23-24

Skills for Y10: Competently identify variables, write conclusions, compare and evaluate information, plot graphs, apply mathematical skills, write methods and accurately use keywords.



Foundation for Year 11

Waves

Atomic structure

Homeostasis and response

Bioenergetics

Energy changes

Exam Preparation

Chemical changes

Ecology

Ultraviolet and infrared radiation

Required practical

Electricity

Particle theory model

Microwaves

Gamma rays and x rays

Reflection, wave velocity and wave fronts

Wave speed

Metabolism

Radio wave communication

Electromagnetic waves

Required practical

Measuring wave speed

Transverse and longitudinal waves

Exercise

Aerobic Respiration

Waves

Anaerobic Respiration

Artificially Controlling Plant Growth

Energy in reactions

The History of the Atom

Radioactive decay

Irradiation

How Plants Use Glucose

Inverse Square Law

Rate of Photosynthesis

Reaction profiles

Investigating energy transfer of reactions

The structure of the atom

Activity and Half-life

Contamination

Basics of Photosynthesis

Rate of Photosynthesis

Energy transfer in reactions

Negative and Positive Feedback

Controlling Blood Glucose

Nuclear equations

Electrolysis of Aqueous solutions

Electrolysis

Extracting Metal and Redox

Reactivity of Metals

Thyroxine and Adrenaline

Increasing Fertility

Contraceptives

Investigating Reaction Time

Nervous System

Electrolysis of Metal Ores

Reactivity Series and displacement reactions

Reactivity Series and displacement reactions

Deforestation and Conservation

Waste and Pollution

Modelling states of matter

Specific Heat Capacity

Changing states

Pressure in gases

Bonding in states of matter

Reactions of acids - Metal Oxide

Land Use

Ecosystems

States of Matter

Kinetic energy

Specific latent Heat

Pressure in gases

Bonding in states of matter

Reactions of acids - Metal Oxide

Carbon Cycle

Water Cycle

Investigating Resistance 2

Parallel Circuits

Resistance and I-V Characteristics

Resistance and I-V Characteristics

Resistance and I-V Characteristics

Resistance and I-V Characteristics

Required Practical

Adaptations

The National Grid

Series Circuits

Series Circuits

Series Circuits

Series Circuits

Series Circuits

Food chains

Factors affecting ecosystems

Power and Energy Transfer

LDRs and Thermistors

Investigating Resistance in wires

Investigating Resistance in wires

Investigating Resistance in wires

Investigating Resistance in wires

Competition

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Electricity

Year 10

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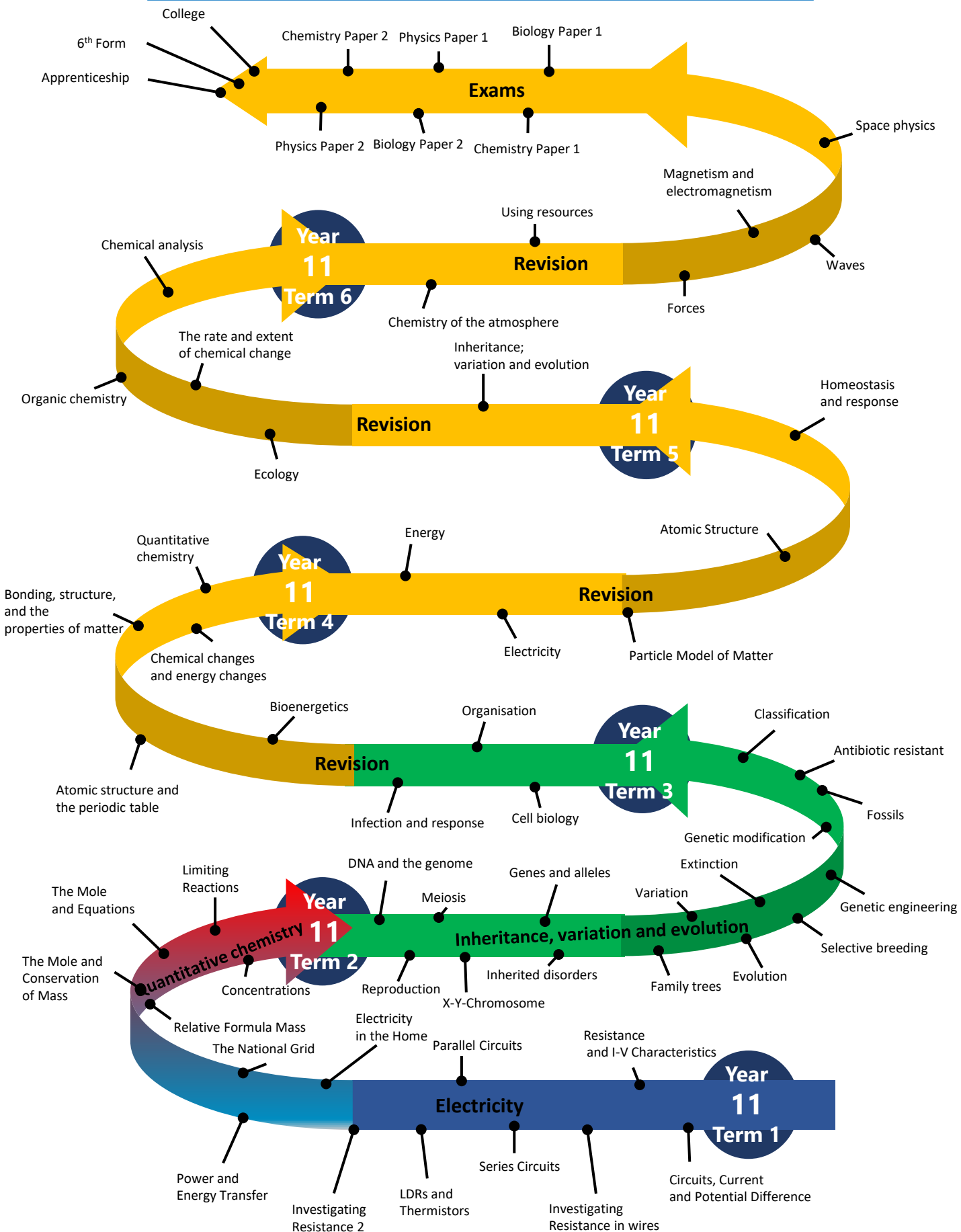
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Curriculum Journey: Science 23-24

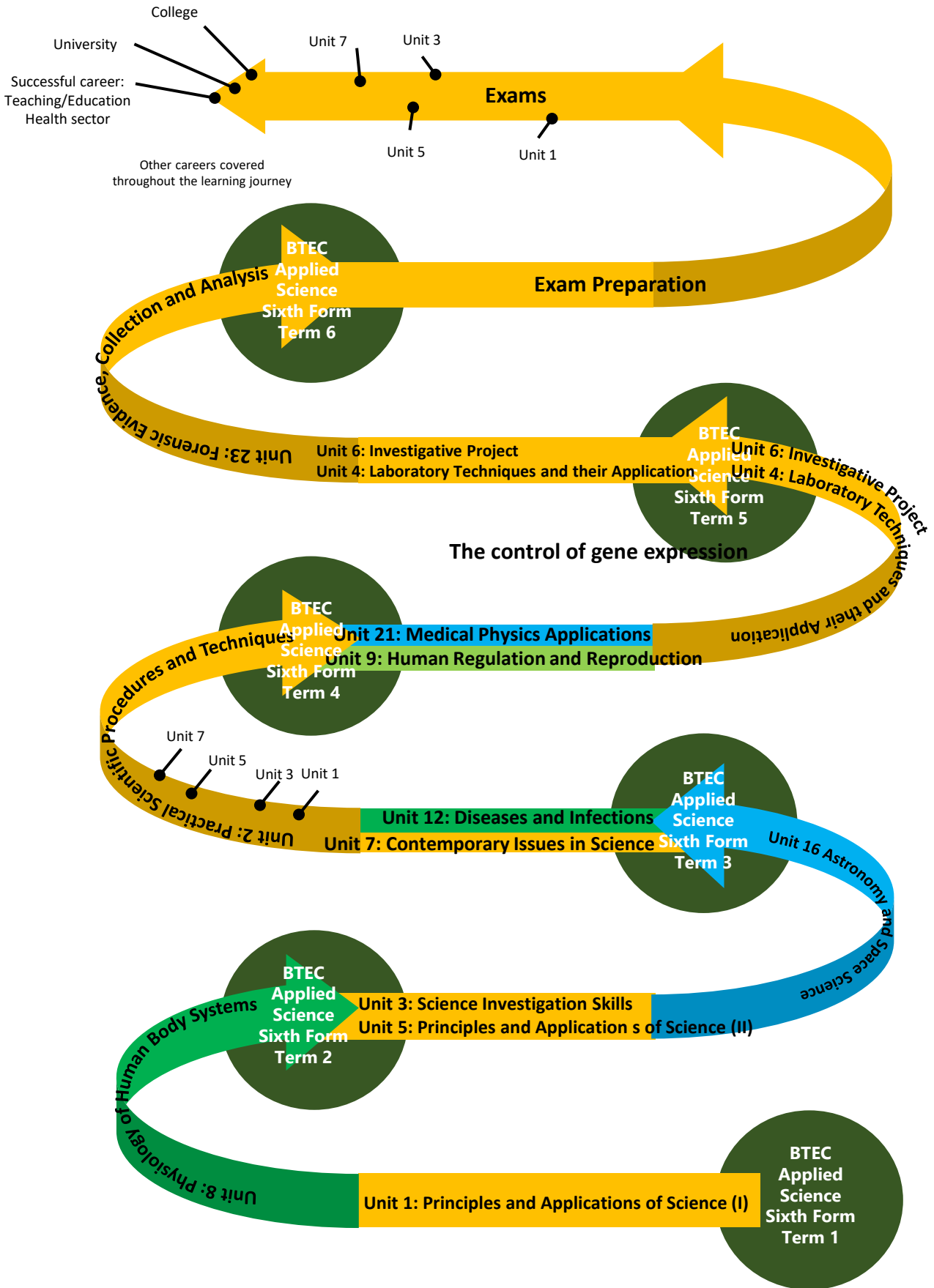
Skills for Y11: Competently identify variables, write conclusions, compare and evaluate information, plot graphs, apply mathematical skills, write methods and accurately use keywords.





Curriculum Journey: Science 23-24

Skills for Y13: Strong Scientific knowledge, analytical skills, critical thinking, problem solving, Practical laboratory skills, mathematical skills, research skills, revision and exam techniques.





Curriculum Journey: Science 23-24

Skills for Y13: Strong Scientific knowledge, analytical skills, critical thinking, problem solving, Practical laboratory skills, mathematical skills, research skills, revision and exam techniques.

