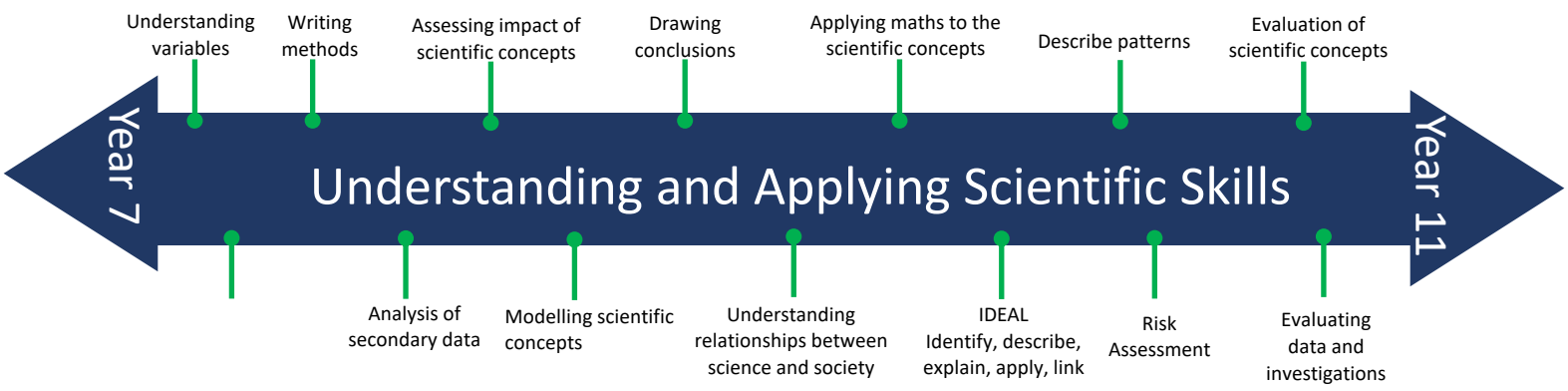
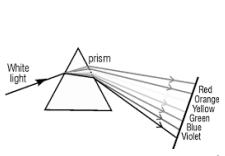
YEAR 10 PHYSICS LEARNING JOURNEY

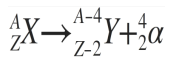


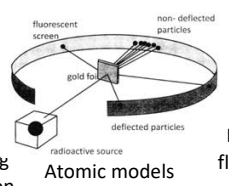










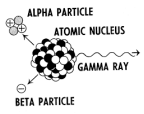






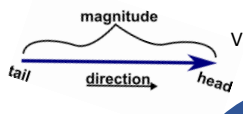


















YEAR 11

- Light (triple)
  - Dispersion
  - Colour
  - Lenses
  - Waves crossing boundaries
- EM Spectrum
  - Using the short and long wavelengths
  - EM radiation dangers
  - Electromagnetic waves
- Waves
  - Reflection & refraction
  - Features of waves
  - Ultrasound
  - Ears and hearing
  - Wave calculations
- Radioactivity
  - Understanding and calculating half lives
  - Nuclear decay equations
  - Dangers ionizing radiation
  - Atomic models
  - Nuclear fission and fusion
  - Background radiation
  - Alpha, beta and gamma
  - Electrons and orbits
  - Inside atoms
- Force & pressure (triple)
  - Pressure in fluids - Triple
  - Upthrust - Triple
- Motion
  - Acceleration
  - Distance and velocity time graphs
  - Crash hazards
  - Stopping distances
- Forces
  - Momentum
  - Resolving vectors
  - Newton
  - Mass and weight
  - Resultant forces
  - Vectors and scalars
  - Forces and quantities
  - Investigating springs
  - Bending and stretching

YEAR 10

CROSS-CURRICULAR LINKS

Isotopes	Chemistry	Energy	Chemistry
Electricity	Engineering	Calculations	Mathematics
Pressure	Chemistry	Radiation dangers	Biology
Atomic models	Chemistry	Detecting light & sound	Biology