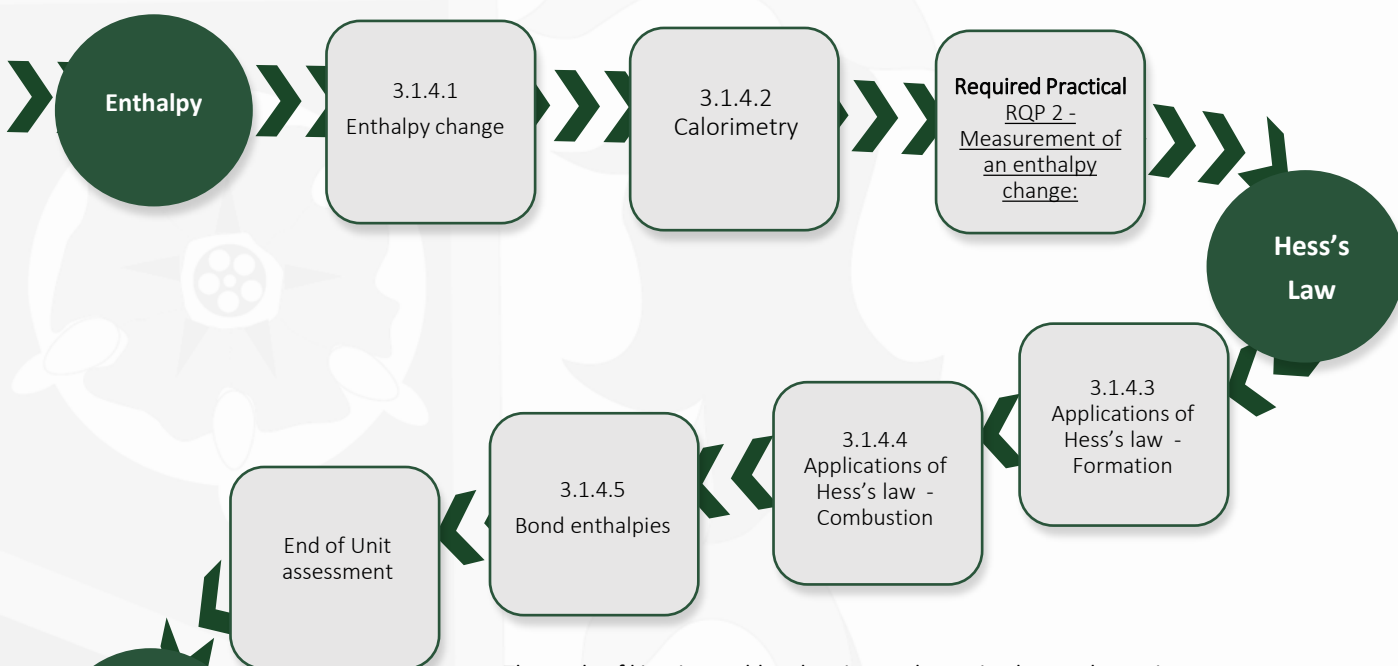


Chemistry

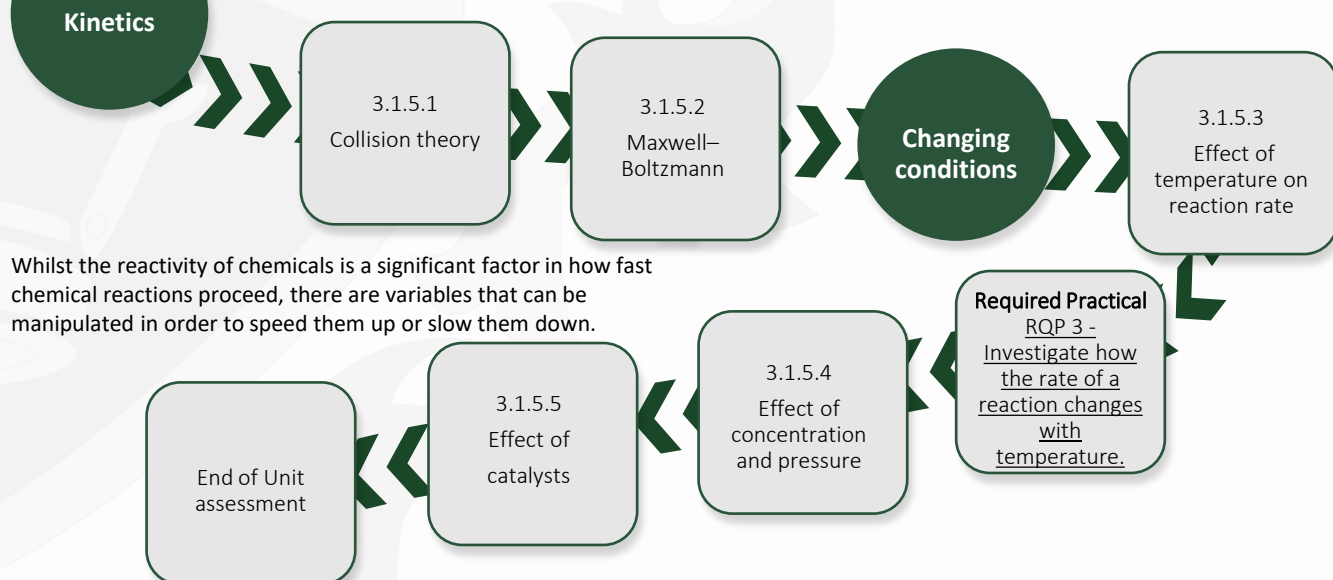
Year 12 Autumn / Spring Term

Energetics & Kinetics

The enthalpy change in a chemical reaction can be measured accurately. It is important to know this value for chemical reactions that are used as a source of heat energy in applications such as domestic boilers and internal combustion engines.



The study of kinetics enables chemists to determine how a change in conditions affects the speed of a chemical reaction.



Whilst the reactivity of chemicals is a significant factor in how fast chemical reactions proceed, there are variables that can be manipulated in order to speed them up or slow them down.

TUDOR HABITS

You will continue to work on building your toolbox of problem solving skills to support your metacognition and self-regulation

VOCABULARY:

Enthalpy, formation, combustion, energy, exothermic, endothermic, collision, kinetic energy, frequency, activation energy