Year 13

LEARNING JOURNEY

Inorganic

Chemistry

Year 13 Summer Term

Transition Metals & Properties of Period 3 elements and their oxides

The 3d block contains 10 elements, all of which are metals. Unlike the metals in Groups 1 and 2, the transition metals Ti to Cu form-coloured compounds and compounds where the transition metal exists in different oxidation states. Some of these metals are familiar as catalysts. The properties of these elements are studied in this section with opportunities for a wide range of practical investigations.



TUDOR HABITS

You will be inquisitive, curious, yet critical, as you look at many reactions of transition metals and the role they play in both medicine and the industry. You will continue to build metacognitive skills through your questioning of concepts and ideas.

VOCABULARY:

Oxidation State, Ligand, Co-ordinate bond, adsorption, autocatalysis, colorimeter, amphoteric, oxides, dissociate, complex,