Year 8 Flightpath for Science

Step 1	Step 2	Step 3	Step 4	Step 5	Step 6	Step 7
Preparation **I can:** • use knowledge related to the science to identify objects. • with support, make some observations about features of objects, living things and events.	Develop **I can:** • use knowledge related to organisms, environment, materials forces, space to identify/describe some changes and properties. • make some observations about features of objects, living things and events.	Develop **I can:** • use knowledge related to organisms, environment, materials, energy, forces, space; to identify and describe scientific phenomena, observations, properties or ideas. • make observations about features of objects, living things & events	Develop **I can:** • use knowledge of **organisms**, environment, materials, energy, forces, space to recognise & compare properties, factors & relationships; suggesting answers to questions. • make observations and measurements to compare things. • use equipment provided & record findings using correct vocabulary	Secure **I can:** • use knowledge and understanding of organisms, environment, materials, energy, forces, space to link cause and effect in observations of the properties and differentiate within systems. • make generalisations e.g. sounds get fainter the further they go. • begin to recognise risks with help. • make and record relevant observations & measure quantities, select & use a range of simple equipment, tables and graphs	Secure **I can:** • explain processes using a model. • apply and use knowledge and understanding in familiar contexts. • describe basic applications and implications of science. • select and use methods that are adequate/appropriate for the task • make observations & measurements varying one factor only. • record observations, comparisons and measurements using tables and bar charts and begin to plot points to form simple graphs. • communicate conclusions using appropriate scientific language.	Extending **I can:** • explain process stages and phenomena using models. • apply and use knowledge and understanding in familiar contexts. • describe applications and implications of science. • communicate using scientific and mathematical conventions and terminology. • select and use methods to obtain data systematically