Curriculum Map Year 7

	Autumn term 1	Autumn term 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7	**INTRODUCTION TO SCIENCE:**	**Forces**	**Matter**	**Energy**	**Reactions**	**Ecosystem**
Knowledge & Skills	**Safety.** Hazards. *(Common chemical hazards, general health and safety signs, science specific signs)* **Equipment** *(drawing and naming common science equipment)*. **Special equipment** *(Special equipment challenges.)* **ORGANISMS:** *The musculo-skeletal system and movement.* *Organisation of organisms.* **Cells**: *Cells,tissues and organs.* *Use of microscopes*	Speed. DIstance-time graphs. Relative motion Relative speed Forces Contact and non-contact forces Elastic forces Mass Weight Gravity. Magnetism	Particle model of matter. Periodic table. solids,liquids and gases. DIffusion. State changes. Dissolving and solutions. Separating mixtures. Filtration Distillation Chromatography.	Energy transfer by food and fuel, rates of energy transfer, Domestic energy, domestic energy costs, getting our electricity, using electricity responsibly, energy stores,energy transfers, potential energy ,kinetic energy, elastic energy. Light energy	Metals and non-metals (reactivity and properties) Metals and acids reactions Rusting Combustion reactions Acids and alkalis. Indicators, neutralisation reactions.	Organism adaptations incl. Seasonal and environmental. Different habitats and feeding relationships therein. Food chains and food webs The interlinking of food chains in all environments. DIsruption to food chains. Different levels of food chains. The importance of insects. Adaptations of flowers for reproduction.
Assessment	Retrieval practice 1 x Formative skills and knowledge assessment (Practical assessment) 1 x Summative skills and knowledge assessment	Retrieval practice 1 x Formative skills and knowledge assessment (Practical assessment) 1 x Summative skills and knowledge assessment	Retrieval practice 1 x Formative skills and knowledge assessment (Practical assessment) 1 x Summative skills and knowledge assessment	Retrieval practice 1 x Formative skills and knowledge assessment (Practical assessment) 1 x Summative skills and knowledge assessment	Retrieval practice 1 x Formative skills and knowledge assessment (Practical assessment) 1 x Summative skills and knowledge assessment	Retrieval practice 1 x Formative skills and knowledge assessment (Practical assessment) 1 x Summative skills and knowledge assessment