SUBJECT: SCIENCE	TEACHERS: Miss L. Assari, Mrs K. Chaytor,	HOD: Mrs A. Phillips
	Ms S. Murray, Mrs E. Dias, Ms T. Nicholas,	
	Mrs K. Patel, Mr M. Whelehan	

		ASSESSMENT ASSIGNMENTS
Sound and Light - Sound as Energy - Pitch, Loudness, How Sound Travels - The Ear and Hearing - Light as Energy - How Light Travels - Reflection, Refraction, Dispersion of White Light	 Understand that sound and light travel as different types of waves Understand the characteristics of light and sound waves To be able to explain how sound is detected by the ear Types of energy 	 End of topic test Written investigation of light and sound in theatre
Atoms Elements, Classification of Elements, Metals, Non-metals Making Compounds and Mixtures Word Equations 	 To be able to define what an element is To be able to identify metals and non-metals To understand the difference between mixtures and compounds To be able to understand simple work equations Conservation of mass in chemical reactions 	 End of topic test Written assessment based on practical demonstration of burning magnesium
 Rocks Igneous, Sedimentary and Metamorphic Rocks Rock Cycle Weathering of Rocks 	 Understand the differences and formation of the three classes of rocks Understand how rocks can be turned from one type to another 	 End of topic test Creative writing assessment on the rock cycle
 Heat Heat and Temperature Energy Transfer (Conduction. Convection and Radiation) Change State Kinetic Theory of Changing State 	 Burning fuels To understand the difference between heat and temperature To be able to describe the three different methods of energy transfer To be able to explain in terms of particles what is happening when state changes occur 	 End of topic test Practical assessment on cooling curves
Magnets- Special Properties of Magnets- Electromagnets:- Uses of Electromagnets	 To be able to make permanent magnets and electromagnets To know uses of both types of magnets 	Written assessment on electromagnets
 Microbes Micro-organisms: Useful and Not So Useful Spread of Diseases Methods of Preventing Diseases – Inoculation (See Citizenship Curriculum) White Blood Cells 	 To understand that micro organisms can be useful as well as cause disease To understand that the body has its own natural defense 	 Data analysis assessment on cholera incidence and epidemiology
 Ecology Adaptation of Plants and Animals Food Chains and Webs Plants for food Classification of Animals and Plants Habitats and their Population Food Webs Predator/ Prey Relationship Pyramids of Numbers and Biomass Human in food webs Sustainable development 	 To understand how plants and animals are adapted to their natural environment To be able to construct for food ins and webs To understand how plants and animals can be classified To be able to make and understand food webs and how they can be represented To be able to understand the relationship between species in a habitat 	Investigation of river ecology
Respiration, Food and Digestion - Food Groups - Balanced Diet - Digestion of Food - Enzymes - How Glucose is Used in Respiration - Blood Circulation - Lungs – Inhaled and Exhaled Air - Keeping fit	 Understand the foods needed for a balanced diet Understand how food is digested by enzymes Understand how glucose is needed to produce energy Understand how lungs and circulatory system are needed for respiration to occur Smoking and drugs effect on respiration 	End of topic test
All topics	 Consolidation of practical and theoretical knowledge and understanding developed throughout the year 	End of Year Exam