Science Curriculum - Summer 1

ROKEBY PRIMARY SCHOOL

EYFS Tanka, Tanka, Skunk	Year One Out and About, a first book of poems	Year Two Poems to Perform	Year Three Hot Like Fire	Year Four Werewolf Club Rules	Year Five Dark Sky Park	Year Six Cosmic Disco
The World: Objects, Materials and Environments WALT explore, talk about and compare the sounds that we can make on different instruments WALT investigate and compare the best materials to use for making a simple musical instrument such as a shaker WALT talk about what types of environments the animals in the story might live in WALT compare these environments with features of their own environment, for example, compare African landscapes to Rugby	Scientists & Inventors WALT explore the invention of Lego WALT explore the life and work of Mae Jemison WALT explore the work of vets WALT explore the life and work of Louis Pasteur WALT explore the life and work of Charles Macintosh WALT explore the invention of the wind turbine WILF can ask simple questions WILF can find things out using books, photos and videos	Animals inc humans WALT notice that humans have offspring which grow into adults WALT find out about and describe the basic needs of humans WALT describe the importance for humans of exercise WALT describe the importance of eating the right amounts of different types of food WALT describe the importance of hygiene for humans WILF can ask questions and answer them by using observations	Scientists & Inventors WALT explore the life and work of Marie Curie WALT explore the life and work of George Washington Carver WALT explore the invention of electromagnets WALT explore the life and work of Benjamin Franklin WALT explore the life and work of Thomas Edison WALT explore an inventor or invention of our choice WILF can give oral & written explanations and presentations	Living Things & Their Habitats WALT recognise that living things can be grouped in a variety of ways WALT explore and use classification keys to group, identify and name living things in the local environment WALT explore and use classification keys to group, identify and name living things in the wider environment WALT recognise that environments can change and that this can sometimes pose dangers to living things WILF can categorise observations	Forces: levers & gears WALT identify different mechanisms: levers, pulleys, gears WALT explain how different mechanisms work WALT recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect WALT design our own mechanism to achieve a given purpose WILF can predict what might happen in an investigation WILF can carry out systematic enquiry, investigation and analysis	Light WALT recognise that light appears to travel in straight lines WALT understand objects are seen because they give out or reflect light WALT explain that light travels from light sources to our eyes WALT explain that light travels from light sources to objects and then to our eyes WALT explain why shadows have the same shape as the objects that cast them WILF able to record data and results of increasing complexity

	WILF recognises that scientific ideas are based on evidence WILF can remember and recall information WILF able to record things from memory WILF can underline important facts WILF is able to communicate findings to a range of audiences	WILF can carry out simple comparative tests WILF can use simple scientific language to talk about what was found out and how it was found out WILF able to compare living things WILF able to give reasons and explanations WILF can use simple equipment such as a sand timer to make observations and measurements	WILF recognises when secondary sources of information might help to answer questions that cannot be answered practically WILF able to raise questions about the world around us WILF can recognise that questions can be answered in different ways WILF able to make notes WILF can use ICT to record findings WILF is able to communicate findings in ways appropriate for different audiences	WILF can gather, record, classify and present data WILF can use tables, bar charts and line graphs as appropriate WILF understands & is able to talk about interactions and relationships between living things and environments WILF able to raise questions and identify new questions about the world around us WILF can order results scientifically WILF can use a range of scientific conventions	WILF is able to select and plan the most appropriate types of scientific enquiry to use to answer questions WILF can choose the most appropriate equipment to use and explain how to use it accurately WILF able to use evidence to justify ideas, theories and conclusions WILF can suggest ways to improve things WILF can use evidence to answer questions or to support findings	WILF able to measure accurately WILF able to evaluate the results of observations WILF able to use results of investigations to set up further tests