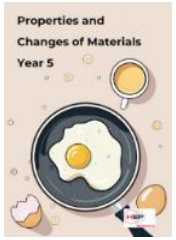
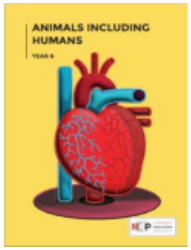
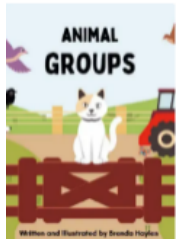
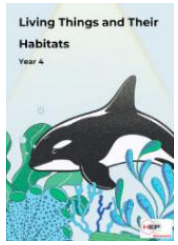
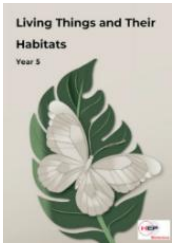
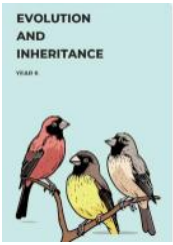
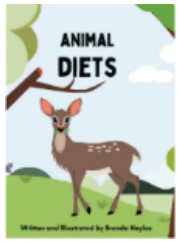
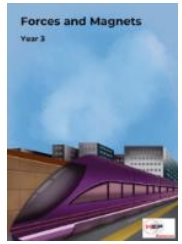
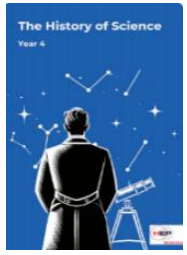
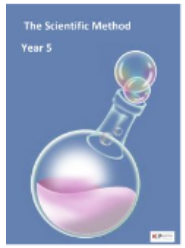
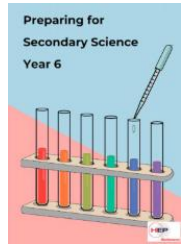
Science at West Green

At West Green, we teach Science in Years 1-6 using the *Haringey Education Partnership Primary Science Curriculum*. Much like the *Opening Worlds* curriculum for Geography, History and Religion, this Science curriculum is aspirational but also inclusive ensuring that Science is accessible and engaging for all. Moreover, this knowledge-rich programme builds pupils' understanding through sequenced content and practical investigation moving from the concrete (what children can see) to the abstract (what they can't). It also promotes a sense of belonging by reflecting the diversity of our community, celebrating scientists from a wide range of backgrounds and encouraging teamwork, discussion and curiosity. This curriculum provides pupils with a strong foundation in scientific knowledge, skills, and vocabulary in Biology, Physics and Chemistry, while promoting critical thinking, enquiry, and respect for the environment.
In addition to the scientific knowledge content, all pupils are taught to work scientifically across all units of study. Practical work is core to learning and children are taught to make predictions, carry out fair tests, observe, measure and record results, use evidence to draw conclusions and explain findings using scientific language.
In Reception, Science is taught through the 'Understanding of the World' strand of the EYFS statutory framework. Through their thematic curriculum units, children are guided to make sense of their physical world by reading stories, exploring the natural environment, growing plants, observing the seasons and exploring a variety of materials. This provides children with the foundational knowledge and experiences they require to make progress in Key Stage 1.

Autumn 1					
Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
					
The Park Explorers (Plants)	Growing Plants	Plants	States of Matter	Properties & Changes of Materials	Animals Including Humans
Autumn 2					
					
My Body and My Senses	Uses of Everyday Materials	Science of Rocks	Animals Including Humans	Animals Including Humans	The Science of Light

Spring 1					
					
Everyday Materials	Animals Inc. Humans	Light	Sound	Forces	Electric Circuits
Spring 2					
	---				
Animal Groups	---	Animals Including Humans	Living Things and Their Habitats	Living Things & Their Habitats	Evolution & Inheritance
Summer 1					
					
Animal Diets	Living Things and Their Habitats	Forces and Magnets	Electricity	Earth & Space	Classification: Living Things and their Habitats
Summer 2					
					
Seasonal Changes	Biodiversity: Minibeasts	The Bee Project	The History of Science	The Scientific Method	Preparing for Secondary Science