



Science

Our science curriculum is organised into a pathway model to support the range of needs within the school.

Discover's pathway

(Pupils who are working on their individual EHCP priorities through a therapeutic provision, measured by the engagement model.)

Attention and engagement to stimulus.

Personalised routines and activities to promote attention and engagement.

Personalised routines and activities to promote Communication, interaction, thinking skills, physical and sensory development and attention and engagement.

Pathway	Explorers	Investigators	Adventurers
Pupils are typically working on/toward	Pre key stage standard. Play-based approach individually and in small groups.	Working within the KS1 curriculum. Functional activities with concrete resources.	Working within KS2 curriculum. Memory building and application of methods.
Provision	Pupils are provided with direct 1:1 teaching and through a continuous provision model in line with their level of attention and engagement	Pupils are taught one lesson a week for science in small groups with direct teaching and opportunities to apply learning in real life situations	Pupils are taught one lesson a week for science focusing on developing working memory to retain facts and apply them in scientific ways.
Priority learning	Pupils are provided with a sensory based approach to exploring and initiating interactions. Developing cause and consequence knowledge and building this into their daily routines. Pupils use the Engagement Model to track their level of engagement within lessons.	Although the early National curriculum subjects are covered the focus is Working scientifically with a focus on: <ul style="list-style-type: none"> • fair and comparative testing • Observing over time • sorting and classifying, • pattern seeking, • research using secondary resources. 	Pupils will be accessing the KS2 National curriculum subject content across the Biology, Chemistry and Physics units

CLASS LONG TERM PLANS

Term	Key stage 2 Topic's	Sunshine & Butterflies class	Rainbows class
		Working with the EYFS framework	Working within the Year 1 National curriculum
Autumn 1	Water	Materials & properties	Materials & properties
Autumn 2	Magic and Mystery	Seasonal changes	Seasonal Changes
Spring 1	The Movies	Plants	Plants
Spring 2	Materials	STEM Trialling	STEM Trialling
Summer 1	My community	Animals	Animals
Summer 2	A World Tour	Humans.	Humans

Term	Key stage 3 & 4 Topic's	Atlantis, Enterprise, Bumblebees class
		Accessing year 1 - 4 National curriculum
Autumn 1	Farming and Countryside	Materials & properties
Autumn 2	Celebrations	Living things & habitats
Spring 1	Roal Dahl	Plants
Spring 2	Around the World in 80 Days	STEM
Summer 1	Technology	Humans.
Summer 2	Under the Sea	Animals.

Should you require an additional information about the Science curriculum please contact our Science Subject leader Rhiannon Harris rhiannon.harris@bea-cit.co.uk