

Curriculum coverage

	Autumn Term	Spring Term	Summer Term
Nursery	<ul style="list-style-type: none"> ★ Animals inc. human ★ Seasonal changes ★ Changing materials 	<ul style="list-style-type: none"> ★ Humans ★ Light ★ Forces 	<ul style="list-style-type: none"> ★ Plants ★ Electricity ★ Sound
Reception	<ul style="list-style-type: none"> ★ Animals ★ Humans ★ Living things and their habitats 	<ul style="list-style-type: none"> ★ Seasonal changes ★ Changing materials ★ Light 	<ul style="list-style-type: none"> ★ Forces ★ Sound ★ Earth and Space
Year 1	<ul style="list-style-type: none"> ★ Seasonal Changes ★ Animals inc. humans 	<ul style="list-style-type: none"> ★ Everyday materials ★ Seasonal Changes 	<ul style="list-style-type: none"> ★ Plants ★ Seasonal changes
Year 2	<ul style="list-style-type: none"> ★ Animals inc. human ★ Everyday materials 	<ul style="list-style-type: none"> ★ Plants 	<ul style="list-style-type: none"> ★ Living things and their habitats
Year 3	<ul style="list-style-type: none"> ★ Rocks and soils ★ Light 	<ul style="list-style-type: none"> ★ Animals inc. human ★ Plants 	<ul style="list-style-type: none"> ★ Forces
Year 4	<ul style="list-style-type: none"> ★ Living things and their habitats ★ Sound 	<ul style="list-style-type: none"> ★ Electricity ★ Animals inc. humans 	<ul style="list-style-type: none"> ★ States of matter
Year 5	<ul style="list-style-type: none"> ★ Earth and Space ★ Forces 	<ul style="list-style-type: none"> ★ Properties and changes of materials 	<ul style="list-style-type: none"> ★ Animals inc. human ★ Living things and their habitats
Year 6	<ul style="list-style-type: none"> ★ Electricity ★ Animals inc. humans 	<ul style="list-style-type: none"> ★ Light 	<ul style="list-style-type: none"> ★ Living things and their habitats ★ Evolution and inheritance

Ignite Wonder

Science plays a strong part in our Personal Development Curriculum. We want our children to show awe and wonder about the world around them as they become curious learners who enjoy discovery. All of our children have a wide range of experiences and opportunities to 'ignite their wonder' in science and the wider world. From rocket workshops to science fairs, space camps to visiting Plymouth Aquarium, our children are provided with the very best opportunities. We have a huge focus on developing science capital, creating a love of the subject, an understanding of how it affects our everyday lives and raising their aspirations.



Bebrave ★ Bebrilliant ★ Believe ★

Beacon 



Shine brightly as a scientist



Bebrave ADVENTURE

Exposes our children to a rich and diverse world that is full of colour, music, creativity and celebration. Providing our children with the opportunity to see a world beyond their own, that will inspire and influence their future choices.

BeBrilliant CULTURAL DIVERSITY

Enables our children to develop a growth mindset, by exposure to challenging experiences that allow our children to question and explore opportunities that will enable them to become confident and resilient in all areas of their lives.

Believe POSSIBILITIES

Allows our children to explore the world around them, knowing that the experiences they gain will enhance their lives and open doors to new adventures.



Vision

At Beacon Academy, we believe that scientific investigation is one of the most powerful ways to learn; developing curiosity and perseverance as well as challenging what we know about the world. Through purposeful, practical and child-led enquiry, pupils are given opportunities to explore, question and be challenged in order to develop a deeper understanding of the world around them and encourage them to be inquisitive, independent thinkers.



Intent

- Provide an exciting, inclusive and inspiring science curriculum
 - Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics
 - Develop the knowledge of scientific enquiry skills and enquiry types
- To explore and learn scientific vocabulary to support their understanding and communication
- Children build a strong science capital

Implementation

- Knowledge pathways identified and organisers used
 - Vocabulary focus
- Explicitly teach scientific enquiry types and skills
 - Child-led investigations
- Use a wide range of high-quality resources
 - Termly whole school assessments
 - Science / STEM club
- Celebrating event days throughout the year

Impact

- Science is a high-profile subject
- Children gain a deep and robust scientific knowledge that builds on previous learning
- Children have strong scientific enquiry skills that build on previous learning
 - Children have good knowledge and understanding of scientific vocabulary
 - Children develop high aspirations