# Science Curriculum Map 2021- 2022

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| Year 1 |  | Autumn 1 | | | Autumn 2 | Spring 1 | | Spring 2 | Summer 1 | Summer 2 | |
| T | **Transport** | | | | **What’s around me?** | | | **Nurturing Nurses** | | |
| S | Animals including humans  Q- Are they all called ‘animals’, even if they are so different?  *Aut1-Libby Hyman (zoologist) Aut2-Jane Goodall (primatologist)* | | | | Everyday materials  Q- How can we describe different materials?  *Spr1-Dr Ayanna Howard (robot engineer)*  *Spr2-Valerie Thomas (digital media)* | | | Plants  Q- What are the parts of a plant and what they do to help it live?’  *Sum1-Eva Crane (bees) Sum2-Danielle Lee (ecologist)* | | |
|  | Seasonal changes  Q- Do the Seasons affect me? | | | | | | | | | |
| Year 2 |  | **The Gunpowder Plot** | | | | **The Great Fire of London** | | | **Madagascar** | | |
| S | Animals including humans  Big Q – What do we need to survive and grow in to healthy adults?  *Aut1-Rachel Carson (marine biologist)*  *Aut2-Elizabeth Garrett Anderson - physician (first woman surgeon)* | | | | Everyday materials  Big Q– Does it matter what things are made from?  *Spr1-* *Garrett Morgan - inventor (traffic signals)*  *Spr2-* *Stephanie Kwolek - chemist (synthetic fibre)* | | | Living things and their habitats  Big Q Why are habitats important to animals?  *David Attenborough - natural historian* | | Plants  Big Q – How does a little seed or bulb become a big plant?  *Nirupa Rao- botanical illustrator* |
| Year 3 |  | **Changes in Britain from the Stone Age to the Iron Age** | | | | **Ancient Egypt** | | | **Russia and Europe** | | |
| S | Rocks  Big Q – Are rocks and soils completely different things?  *Mary Horner Lyell - geologist* | | Forces and magnets  Big Q - If a force is a push, pull or twist, does there always need to be contact?  *Marie Maynard Daly - biochemist* | | Animals including humans  Big Q – Does food help or hinder our body?  *Spr1 Marie Curie - physicist & chemist (radioactivity)*  *Sp2 Alexa Canady - surgeon, educator* | | | Light  Big Q- How does light affect what we see?  *Dr Patricia Bath - doctor (cataracts and laser eye surgery)* | | Plants  Big Q- How do plants grow and reproduce?  *Percy Lavon Julian - chemist (medical drugs made from plants)* |
| **Year 4** | T | **The Roman Empire and impact on Britain** | | | | **Shang Dynasty** | | | **Shakespeare** | | |
| S | Habitats  Big Q- How do we classify animals and how are their habitats threatened?  *Aut1-Ayana Elizabeth Johnson (marine biologist)*  *Aut2-* *Dr. Marshall Shepherd (meteorologist and climatologist)* | | | | The digestive system, teeth and food chains  Big Q- What helps us to digest our food properly?  *Marie M. Daly - chemist (digestion organs)* | Electricity and circuits  Big Q- What is electricity and how does it work?  *Ada Lovelace - mathematician (mechanical computer)* | | Sound  Big Q- ‘How do sounds travel to our ears?’  *Shirley Ann Jackson - physicist (telecommunications)* | | States of matter  Big Q- What would happen if things couldn’t change state?  *Lewis Latimer - inventor (air conditioner)* |
| **Year 5** | T | **Anglo Saxons and Vikings** | | | | **Maya and the Rainforests** | | | **Victorians** | | |
| S | Properties and change of materials  Big Q- ‘What causes things to change state and can they always reverse back?’  *Ahmed Zewail - chemist (femtochemistry)* | | Forces  Big Q -Will gravity always make things fall at the same speed?  *Mae Jamison - astronaut (NASA)* | | Animals including humans  Big Q – How do we change as we grow older?  *Vernard Lewis - entomologist* | Living things and habitat  Big Q – How do life cycles vary for different animals?  *George Washington Carver - agricultural scientist* | | Earth and Space  Big Q - Why do the sun and moon appear to move across the sky?  *Sum1-Katherine Johnson - mathematician (NASA)*  *Sum2-Maggie Aderin-Pocock* | | |
| **Year 6** | T | | **WW2** | | | **Ancient Greece** | | | **Archway and Beyond** | | |
| S | | Evolution and Inheritance  Big Q – Why are living things so diverse?  *Aut1-Mary Leakey – paleoanthropologist Aut2-Mary Anning* | | | Electricity -  Big Q - Does it matter how much power is in a circuit?  *William Sachiti - inventor (robots / Kar-go)* | Light -  Big Q- Can light go around corners?  *Thomas Edison - inventor (electric power)* | | Animals including humans  Big Q- Are we healthy? How do we know?  *Daniel Hale Williams - surgeon (first successful heart surgery)* | | Living things and their habitats  Big Q- How and why do we classify all living things?  *Alexandra Jones - archaeologist* |