# 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 humansQ- Are they all called ‘animals’, even if they are so different?*Aut1-Libby Hyman (zoologist) Aut2-Jane Goodall (primatologist)* | Everyday materialsQ- How can we describe different materials?*Spr1-Dr Ayanna Howard (robot engineer)* *Spr2-Valerie Thomas (digital media)* | PlantsQ- What are the parts of a plant and what they do to help it live?’*Sum1-Eva Crane (bees) Sum2-Danielle Lee (ecologist)* |
|  | Seasonal changesQ- Do the Seasons affect me?  |
| Year 2 |  | **The Gunpowder Plot** | **The Great Fire of London** | **Madagascar** |
| S | Animals including humansBig 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 materialsBig 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* | PlantsBig 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 | RocksBig Q – Are rocks and soils completely different things?*Mary Horner Lyell - geologist* | Forces and magnetsBig Q - If a force is a push, pull or twist, does there always need to be contact?*Marie Maynard Daly - biochemist* | Animals including humansBig Q – Does food help or hinder our body?*Spr1 Marie Curie - physicist & chemist (radioactivity)* *Sp2 Alexa Canady - surgeon, educator* | LightBig Q- How does light affect what we see?*Dr Patricia Bath - doctor (cataracts and laser eye surgery)* | PlantsBig 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 | HabitatsBig 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 chainsBig Q- What helps us to digest our food properly?*Marie M. Daly - chemist (digestion organs)*  | Electricity and circuitsBig Q- What is electricity and how does it work?*Ada Lovelace - mathematician (mechanical computer)* | SoundBig 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)* | ForcesBig 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 InheritanceBig 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 humansBig Q- Are we healthy? How do we know?*Daniel Hale Williams - surgeon (first successful heart surgery)* | Living things and their habitatsBig Q- How and why do we classify all living things?*Alexandra Jones - archaeologist* |