**Science Curriculum Overview**

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| **Rights Articles: 1, 12, 13, 15, 17, 23, 28, 29** | | | | | | |
| **Global Goals: 3, 4, 6, 7, 10, 13, 14, 15** | | | | | | |
| **Year Group** | **Topic 1** | **Topic 2** | **Topic 3** | **Topic 4** | **Topic 5** | **Topic 6** |
| **EYFS** | All about me  Human Body  Keeping Healthy | Shadows  Stars | Plants  Keeping Teeth Healthy | Changing State (Ice-Water)  Floating / sinking | | Electricity |
| **1** | Working Scientifically  Humans  Seasons – Summer to Autumn | Working Scientifically  Materials  Seasons – Autumn to Winter | Working Scientifically  Carnivores, herbivores, omnivores  Seasons – Winter | Working Scientifically  Plants  Seasons – Winter to Spring  Animals | | Working Scientifically  Seasons – Spring to Summer |
| **Year 1 - Suggested Linked Texts (Reading Across the Curriculum)** | | | | | | |
|  | ***Tree: Seasons Come, Seasons Go***  *(Patricia Hegarty and Britta Teckentrup)*  ***One Year with Kipper***  *(Mick Inkpen)*  ***After the Storm***  *(Nick Butterworth)*  https://images-na.ssl-images-amazon.com/images/I/51zla22CUkL._SX490_BO1,204,203,200_.jpghttps://images-na.ssl-images-amazon.com/images/I/51jE6oPGo1L._SX408_BO1,204,203,200_.jpgImage result for one year with kipper | ***The Great Paper Caper***  *(Oliver Jeffers)*  ***Who Sank the Boat***  *(Pamela Allen)*  ***The Story of Cinderella***  *(Walt Disney)*  Image result for the great paper caper http://ws-na.amazon-adsystem.com/widgets/q?_encoding=UTF8&ASIN=069811373X&Format=_SL250_&ID=AsinImage&MarketPlace=US&ServiceVersion=20070822&WS=1&tag=giftofcuri-20 https://images-na.ssl-images-amazon.com/images/I/419SoYTX0yL._SX366_BO1,204,203,200_.jpg | **RSPB: My First Book of Garden Birds**  (Mike Unwin and Sarah Whittley)  **Snail Trail**  (Ruth Brown)  **Superworm**  (Julia Donaldson & Axel Scheffler)  Cover ImageImage result for snail trail ruth brown  Superworm By Julia Donaldson | ***A Little Guide to Wild Flowers***  *(Charlotte Voake)*  ***The Things That I LOVE about TREES***  *(Chris Butterworth)*  ***Harry’s Hazelnut***  *(Ruth Parsons)*  Image result for a little guide to wildflowersImage result for the things that i love about treeshttps://images-na.ssl-images-amazon.com/images/I/51%2BhEJxZGlL._SY451_BO1,204,203,200_.jpg | |  |
| **2** | Working Scientifically  Living Things and Their Habitats | | Working Scientifically  Materials | | Working Scientifically  Animals Including Humans | Working Scientifically  Plants |
| **Year 2 - Suggested Linked Texts (Reading Across the Curriculum)** | | | | | | |
|  | ***Jack and the Beanstalk***  *(Richard Walker)*  ***Ten Seeds***  *(Ruth Brown)*  **A Seed Is Sleepy**  (Dianna Aston)  Image result for jack and the beanstalk richard walker Image result for Ten Seeds (Ruth Brown) Related image | | ***The Tin Forest***  *(Helen Ward)*  ***Traction Man***  *(Mini Grey)*  ***Three Little Pigs***  *(Lesley Sims)*  Image result for the tin forest https://images-na.ssl-images-amazon.com/images/I/51C1Y1MY0KL._SX436_BO1,204,203,200_.jpg Image result for three little pigs lesley sims | | ***The Gruffalo***  *(Julia Donaldson)*  ***Meerkat Mail***  *(Emily Gravett)*  ***No Place Like Home***  Image result for the gruffaloImage result for meerkat mail*(Jonathon Emmett)* | ***Jack and the Beanstalk***  *(Richard Walker)*  ***Ten Seeds***  *(Ruth Brown)*  **A Seed Is Sleepy**  (Dianna Aston)  Image result for jack and the beanstalk richard walker Image result for Ten Seeds (Ruth Brown) Related image |
| **3** | Working Scientifically  Forces  Suggested People:  **William Gilbert**  (Theories on Magnetism)  **Andre Marie Ampere**  (Founder of Electro-Magnetism) | Working Scientifically  Rocks and Soils  Suggested People:  **Mary Anning**  (Discovery of Fossils)  **Inge Lehmann**  (Earth’s Mantle) | Working Scientifically  Plants  Suggested People:  **Jan Ingenhousz**  (Photosynthesis)  **Joseph Banks**  (Botanist) | Working Scientifically  Animals incl Humans  Suggested People:  **Adelle Davis**  (20th Century Nutritionist)  **Marie Curie**  (Radiation / X-Rays) | Working Scientifically  Light  Suggested People:  **James Clerk Maxwell**  (Visible and Invisible Waves of Light) | Working Scientifically |
| **Year 3 - Suggested Linked Texts (Reading Across the Curriculum)** | | | | | | |
|  | ***The Iron Man***  *(Ted Hughes)*  ***Mrs Armitage: Queen of the Road***  *(Quentin Blake)*  ***Mr Archimedes’ Bath***  *(Pamela Allen)*  *Image result for the iron man* https://images-na.ssl-images-amazon.com/images/I/510TAFYVNXL._SX366_BO1,204,203,200_.jpghttps://images-na.ssl-images-amazon.com/images/I/61unPjTuCVL._SX469_BO1,204,203,200_.jpg | ***The Pebble in My Pocket***  *(Meredith Hooper)*  ***Stone Girl, Bone Girl***  *(Laurence Anholt)*  ***The Street Beneath My Feet***  *(Charlotte Guillain & Yuval Zommer)*  *Image result for The Pebble in My Pocket (Meredith Hooper)* https://images-na.ssl-images-amazon.com/images/I/51Tk5DyVsrL._SX407_BO1,204,203,200_.jpg *Image result for The Street Beneath My Feet (Charlotte Guillain & Yuval Zommer)* | ***The Story of Frog Belly Rat Bone***  *(Timothy Basil Ering)*  ***The Hidden Forest***  *(Jeannie Baker)*  ***George and Flora’s Secret Garden***  *(Jo Elworthy)*  *Image result for The Story of Frog Belly Rat Bone (Timothy Basil Ering) cover Image result for The Hidden Forest (Jeannie Baker) Image result for George and Flora’s Secret Garden (Jo Elworthy)* | ***Funnybones***  *(Janet and Allan Ahlberg)*  ***I Will Never Not Ever Eat a Tomato***  *(Lauren Child)*  ***Goldilocks and the Three Bears***  *(Samantha Berger)*  *Image result for Funnybones (Janet and Allan Ahlberg)*I Will Never Not Ever Eat a TomatoImage result for goldilocks and the three bears berger | ***The Owl Who Was Afraid of the Dark***  *(Jill Tomlinson)*  ***The Dark***  *(Lemony Snicket)*  ***The Firework-Maker's Daughter***  *(Philip Pullman)*  *Image result for The Owl Who Was Afraid of the Dark (Jill Tomlinson)* Image result for the dark lemony snicketImage result for The Firework-Maker's Daughter |  |
| **4** | Working Scientifically  Electricity  Suggested people:  **Joseph Swan**  (Incadesecant Light Bulb) | Working Scientifically  Animals Including humans  Suggested people:  **Ivan Pavlov**  (Digestive System Mechanisms)  **Joseph Lister**  (Discovered Antiseptics) | Working Scientifically  Living things and their Habitats  Suggested people:  **Cindy Looy**  (Environmental Change and Extinction)  **Jaques Cousteau**  (Marine Biologist) | Working Scientifically  Sound  Suggested people:  **Aristotle**  (Sound Waves)  **Gailileo Galilei**  (Frequency and Pitch of Sound Waves)  **Alexander Graham Bell**  (Invented the Telephone) | | Working Scientifically  States of matter  Suggested people:  **Anders Celcius**  (Celcius Temperature Scale)  **Daniel Fahrenheit**  (Fahrenheit Temperature Scale / Invention of the Thermometer) |
| **Year 4 - Suggested Linked Texts (Reading Across the Curriculum)** | | | | | | |
|  | ***Until I Met Dudley***  *(Roger McGough)*  ***Oscar and the Bird: A Book about Electricity***  *(Geoff Waring)*  ***Electrical Wizard: How Nikola Tesla Lit Up the World***  https://images-na.ssl-images-amazon.com/images/I/511P9h5lU1L._SY344_BO1,204,203,200_.jpg*(Elizabeth Rusch)*  https://images-na.ssl-images-amazon.com/images/I/51cjYHTZT8L._SX382_BO1,204,203,200_.jpghttps://images-na.ssl-images-amazon.com/images/I/61BuQztvcfL._SX434_BO1,204,203,200_.jpg | ***Human Body Odyssey***  *(Werner Holzwarth)*  ***Crocodiles Don't Brush Their Teeth***  *(Colin Fancy)*  ***Wolves***  *(Emily Gravett)*  https://images-na.ssl-images-amazon.com/images/I/61ypVt3j9%2BL._SY494_BO1,204,203,200_.jpgImage result for Crocodiles Don't Brush Their Teeth (Colin Fancy) | ***The Vanishing Rainforest***  *(Richard Platt)*  ***The Morning I Met a Whale***  *(Michael Morpurgo)*  ***Journey to the River Sea***  *(Eva Ibbotson)*  Image result for The Vanishing Rainforest (Richard Platt)Related imageJourney to the River Sea By Eva Ibbotson | ***Horrid Henry Rocks***  *(Francesca Simon)*  ***Moonbird***  *(Joyce Dunbar)*  ***The Pied Piper of Hamelin***  *(Natalia Vasquez)*  Image result for Horrid Henry Rocks (Francesca Simon)Related imagehttps://images-na.ssl-images-amazon.com/images/I/617EqFD3iCL._SY498_BO1,204,203,200_.jpg | | ***Charlie and the Chocolate Factory***  *(Roald Dahl)*  ***Once Upon a Raindrop: The Story of Water***  *(James Carter)*  ***Sticks***  *(Diane Alber)*  Image result for Charlie and the Chocolate Factory (Roald Dahl) *https://images-na.ssl-images-amazon.com/images/I/51ZQYmq%2Bt-L._SX436_BO1,204,203,200_.jpg* Image result for sticks diane alber |
| **5** | Working Scientifically  Properties and changes of materials  Suggested people:  **Spencer Silver,**  **Arthur Fry and Alan Amron**  (Post-It Notes)  **Ruth Benerito**  (Wrinkle-Free Cotton) | Working Scientifically  Earth and Space  Suggested people:  **Claudius Ptolemy and Nicolaus Copernicus**  (Heliocentric vs Geocentric Universe)  **Neil Armstrong**  (First man on the Moon)  **Helen Sharman**  (First British astronaut)  **Tim Peake**  (First British ESA astronaut) | Working Scientifically  Forces  Suggested people:  **Galileo Galilei**  (Gravity and Acceleration)  **Archimedes of Syracuse**  (Levers) | Working Scientifically  Living things and their habitats  Suggested people:  **David Attenborough**  (Naturalist and Nature Documentary Broadcaster)  **James Brodie of Brodie**  (Reproduction of Plants by Spores) | | Working Scientifically  Animals including humans  Suggested people:  **Thomas Young**  (Wave Theory of Light)  **Ibn al-Haytham (Alhazen)**  (Light and our Eyes) |
| **Year 5 - Suggested Linked Texts (Reading Across the Curriculum)** | | | | | | |
|  | ***Itch***  *(Simon Mayo)*  ***Kensuke's Kingdom***  *(Michael Morpurgo)*  ***The BFG***  *(Roald Dahl)*  Image result for Itch (Simon Mayo)https://images-na.ssl-images-amazon.com/images/I/51b6p2N7Y%2BL._SX326_BO1,204,203,200_.jpgImage result for bfg | ***The Skies Above My Eyes***  *(Charlotte Guillain & Yuval Zommer)*  ***George’s Secret Key to the Universe***  *(Lucy and Stephen Hawking with Christophe Galfard)*  ***The Way Back Home***  *(Oliver Jeffers)*  Image result for The Skies Above My Eyes (Charlotte Guillain & Yuval Zommer)Image result for George’s Secret Key to the Universe (Lucy and Stephen Hawking with Christophe Galfard)Image result for The Way Back Home (Oliver Jeffers) | ***The Enormous Turnip***  *(Katie Daynes)*  ***Leonardo's Dream***  *(Hans de Beer)*  ***The Aerodynamics of Biscuits***  *(Clare Helen Welsh)*  https://images-na.ssl-images-amazon.com/images/I/519NrNPvvlL._SX258_BO1,204,203,200_.jpgImage result for Leonardo's Dream (Hans de Beer)Image result for the aerodynamics of biscuits | ***Charlotte’s Web***  *(E.B. White)*  ***The Land of Neverbelieve***  *(Norman Messenger)*  ***Mummy Laid an Egg***  *(Babette Cole)*  Image result for Charlotte’s Web (E.B. White)https://images-na.ssl-images-amazon.com/images/I/51osuMztNYL._SX381_BO1,204,203,200_.jpgImage result for Mummy Laid an Egg – Babette Cole | | ***Letters from the Lighthouse***  *(Emma Carroll)*  ***The Gruffalo’s Child***  *(Julia Donaldson)*  ***The King Who Banned the Dark***  *(Emily Haworth-Booth)*  Image result for letters from the lighthouseRelated imagehttps://images-na.ssl-images-amazon.com/images/I/51G5m%2BAavlL._SX388_BO1,204,203,200_.jpg |
| **6** | Working Scientifically  Light  Suggested people:  **Isaac Newton**  (Light) | Working Scientifically  Electricity  Suggested people:  **Thomas Edison**  **(Light bulb)** | Working Scientifically  Living Things and Their Habitats  Suggested people:  **Charles Darwin and Alfred Russel Wallace**  (Theory of Evolution by Natural Selection) | Working Scientifically  Animals including humans/  Evolution and inheritance  Suggested people:  **Charles Darwin and Alfred Russel Wallace**  (Theory of Evolution by Natural Selection)  **Jane Goodall**  (Chimpanzees) | | Working Scientifically  Circulation  Suggested people:  **Justus von Liebig**  (Theories of Nutrition and Metabolism)  **Sir Richard Doll**  (Linking Smoking and Health Problems)  **Leonardo Da Vinci**  (Anatomy) |
| **Year 6 - Suggested Linked Texts (Reading Across the Curriculum)** | | | | | | |
|  | ***The Dark***  *(Lemony Snicket)*  Image result for the dark lemony snicket | ***One Smart Fish***  *(Christopher Wormell)*  ***The Molliebird***  *(Jules Pottle)*  ***Our Family Tree***  *(Lisa Westberg Peters)*  Image result for One Smart Fish Christopher Wormellhttps://cdn.shopify.com/s/files/1/0075/5059/9241/products/Molliebird_front_cover_1024x1024@2x.jpg?v=1556283393Related image | ***Beetle Boy***  *(M G Leonard)*  ***Insect Soup***  *(Barry Louis Polisar)*  ***Fur and Feathers***  *(Janet Halfmann)*  Related image *Image result for insect soup* https://images-na.ssl-images-amazon.com/images/I/51MLrJnBToL._SX425_BO1,204,203,200_.jpg | ***Hair in Funny Places***  *(Babette Cole)*  ***Giant***  *(Kate Scott)*  ***You're Only Old Once!***  *(Dr. Seuss)*  *https://images-na.ssl-images-amazon.com/images/I/51H-vtMAuYL._SX364_BO1,204,203,200_.jpg*Related imageImage result for Giant Kate Scott | | ***Pig-Heart Boy***  *(Malorie Blackman)*  ***Skellig***  *(David Almond)*  ***A Heart Pumping Adventure***  *(Heather Manley)*  Related imageImage result for SkelligA Heart Pumping Adventure: An Imaginative Journey Through the Circulatory System (Human Body Detectives) by [Manley, Heather] |