

Cranford Park CE Primary School

Subject Overview for Science

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Title of unit Main Objectives /Skills	Title of unit Main Objectives /Skills	Title of unit Main Objectives /Skills	Title of unit Main Objectives /Skills	Title of unit Main Objectives /Skills	Title of unit Main Objectives /Skills
Foundation Stage	Understanding the world involves guiding children to make sense of their physical world and their community through opportunities to explore, observe and find out about people, places, technology and the environment					
Objectives	<p>The world:, They talk about the features of their own immediate environment and how environments might vary from one another</p> <p>The World: Children know about similarities and differences in relation to objects and materials- wood, plastic, glass and metal</p> <p>The World : They make observations of animals and plants and explain why some things occur, and talk about changes, Children know about similarities and differences in relation to living things.</p>					
Early Years	<u>My New school and on Safari</u> New environment, trails, animals, zoos, safari. that animals including humans, move, feed, grow, use their senses and reproduce	<u>All About Me Inside Out</u> How our bodies grow. Recognise similarities and differences between themselves and others and treat with sensitivity	<u>Castles</u> Family Tree, types of houses, materials. <u>Nutrition-</u> Mixing and weighing ingredients for castle biscuits	<u>Celebrations – New Life</u> Growing – plants and new life animals including humans, move feed, grow, use their senses and reproduce. Have frogspawn in tank in the classroom to watch the process of becoming frogs.	<u>Mini Beasts</u> mini beasts, school environment, fish, prehistoric times Animals including humans, move feed, grow, use their senses and reproduce. Have caterpillars and watch the process of emerging into butterflies.	<u>Rainbow Fish and Holidays</u> Magnets – through play discover which materials are magnetic. Weather – talk about different holiday weather.
Vocabulary	Senses, hear, touch, smell, taste, see	Animals including humans Skeleton, bones, leg, arm, elbow, head, nose, back hands, fingers	Materials. Freezing, Liquid, Ice, melting, Glass, wood, plastic	Egg, spawn, tadpole, froglet, pollen	Habitat, chrysalis, wings, egg	Forces trapped, push, pull, magnet, opposites

Cranford Park CE Primary School

Subject Overview for Science

		Carnivore, Herbivore, Omnivore Fossils			
--	--	--	--	--	--

LITERACY IN SCIENCE
The natural world contrasting environments (EYFS)

The Way Home for Wolf
Rachel Bright & Jan Piel

Platan
David Wiesner

We're Roaming in the Rainforest
Laure Krabe & Anna Wilson

The Storm Whale
Bery Dovey

We All Went on Safari
Laure Krabe & Julia Coats

Dear Earth
Isabel Carter & Clara Amiguazu

Meerkat Mail
Emily Gravett

Blown Away
Kate Beckwith

@cranford_primary

LITERACY IN SCIENCE
The natural world changes (EYFS)

Seasons
Hannah Fory & Clover Rubin

Autumn is Here!
Neil Powney

One Year with Epper
Nick Elyan

Tap the Magic Tree
Charlotte Matheson

Is it Warm Enough for Ice Cream?
DC

Lila and the Secret of Rain
David Conway & Jade Daly

The Snowy Day
Ezra Jack Keats

Puddle
Richard Jackson & Clara Koochka

@cranford_primary

LITERACY IN SCIENCE
The natural world explore, observe, draw (EYFS)

Otto Blotter
Graham Carter

The Extraordinary Gardener
Sam Boughton

Bug Hotel
Libby Walden & Clover Rubin

The Little Gardener
Emily Hughes

A First Book of Nature
Nicola Davies & Mark Heath

Weeds Find a Way
Cady Janson-Ellett & Carolyn Fisher

Tan Seeds
Kath Brown

Tucky Worms
Vivian French & Jamaica Anberg

@cranford_primary

Cranford Park CE Primary School

Subject Overview for Science

Year R	<u>My New school and on Safari</u>		<u>All About Me Inside Out</u>		<u>Castles</u>		<u>Celebrations – New Life</u>		<u>Mini Beasts</u>		<u>Rainbow Fish and Holidays</u>	
<p>Texts to enhance topic</p>	<p>Who's Hiding on Safari? (Who's Hiding Here?)by Katharine McEwen</p> 	<p>Look, Listen, Taste, Touch, and Smell: Learning about Your Five Senses (Amazing Body)by Pamela H Nettleton</p> 	<p>Funny bones</p> 	<p>The Family book Todd Parr</p> 	<p>Let's build a house by Mick Manning and Brita Granström</p> 	<p>Eat Your Greens, Goldilocks by Steve Smallman</p> 	<p>The Tiny Seed Eric Carle</p> 	<p>The Trouble with Tadpoles</p> 	<p>A butterfly is patient Diana Hults Aston</p> 	<p>Mad About Minibeasts! by Giles Andreae and David Wojtowycz</p> 	<p>Magnets push Magnets Pull</p> 	<p>The Cloud Book Tomie dePaola</p> 

Cranford Park CE Primary School

Subject Overview for Science

Year 1/2 Working scientifically	During years 1 and 2, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content: <ul style="list-style-type: none"> ▪ asking simple questions and recognising that they can be answered in different ways ▪ observing closely, using simple equipment ▪ performing simple tests ▪ identifying and classifying ▪ using their observations and ideas to suggest answers to questions ▪ gathering and recording data to help in answering questions.
	<p align="center"><u>Ongoing – seasonal changes</u></p> <p align="center">Observe changes across the four seasons ▪ observe and describe weather associated with the seasons and how day length varies.</p>

Year 1	<p align="center"><u>Percy the park keeper</u></p> <p align="center">Materials</p>	<p align="center"><u>Fire Fire</u></p>	<p align="center"><u>Light House Keepers Lunch</u></p> <p align="center">Animals including Humans</p>	<p align="center"><u>Out in the Garden</u></p> <p align="center">Plants</p>	<p align="center"><u>Are you My Mummy?</u></p> <p align="center">Animals – classification, parts of body and growth. How the habitat and weather changes the animal habitats.</p>	<p align="center"><u>Toys from the past</u></p> <p align="center">Forces</p>
Vocabulary	<p><u>Every Day Materials</u> Wood, plastic, Glass, Paper, Water, Metal, Rock, Hard, Soft, Bendy, Rough, smooth, opaque,</p>		<p><u>Animals including Humans</u> Fish, Reptiles, Mammals, Birds, Amphibians, Herbivore, Omnivore, Carnivore, leg, Arm, Elbow, Head, Ear, Nose, Back, Wings, Beak Senses, hearing, taste, smell, sight touch</p>	<p><u>Plants</u> Deciduous, Evergreen trees, Leaves, Flowers (blossom), Petals, fruit, Roots, Bulb, Seed, Trunk, Branches and Stem</p>	<p><u>Seasonal Changes taught within Geography</u> Summer, Spring, Autumn, Winter, Sun, Day, Moon, Night, Light, Dark</p>	<p><u>Forces</u> Push, pull, force, rub, friction slow, speed, movement, direction distance</p>

Subject Overview for Science

LITERACY IN SCIENCE

Plants (Y1)

The Tree Lady: The True Story of How One Tree-Loving Woman Changed a City
H. Joseph Rojkins

It Starts With a Seed
Laura Knowles & Jennie Webster

The Keeper of Wild Words
Brooke Smith & Madeline Klopper

Mrs Noakes Garden
Jackie Morris & James Mayhew

A Little Guide to Wild Flowers
Charlotte Voske

The Gigantic Turnip
Aleksei Tolstoy & Naveh Sharkey

The Tiny Seed
Eric Carle

Jack and the Beanstalk
Richard Walker & Mark Sharkey

@mrf.primary

LITERACY IN SCIENCE

Everyday materials (Y1)

Somebody Swallowed Shirley
Sarah Roberts & Karol Pack

Not a Stick
Antoinette Little

The Adventures of a Plastic Bottle: A Story About Recycling
Naveh Sharkey

Extra Yarn
Mac Barnett & Jan Egan

The True Story of the 3 Little Pigs
Jan Scieszka

Once Upon a Raindrop
James Carter & Naveh

Song of the River
Joy Cowley & Kimberley Andrews

Kareel & Ortel
Beth Wootton

@mrf.primary

LITERACY IN SCIENCE

Seasonal Changes (Y1)

Out and About: A First Book of Poems
Shirley Hughes

Leaf Man
Lois Ehlert

Storm
Sam Collier

Tree Seasons Come, Seasons Go
Patricia Hegarty & Britta Tackenberg

Goodbye Summer, Hello Autumn
Kareel Pak

Goodbye Autumn, Hello Winter
Kareel Pak

Goodbye Winter, Hello Spring
Kareel Pak

Poems about Seasons
Brian Moses & Elie Jenkins

@mrf.primary

Cranford Park CE Primary School

Subject Overview for Science

<p>Year 2</p>	<p><u>One Small Step</u></p> <p>Animals, offspring, survival.</p>		<p><u>Ahoy there!</u></p> <p>Materials properties how solid objects made from materials can be changed.</p>	<p><u>Amazing Animals</u></p> <p>Habitats difference between living and not living things</p> <p>Linked with the Geography topic The Rainforest.</p> <p>Part of the Longitudinal study.</p>	<p><u>Out and About in Yateley</u></p> <p>Plants observe growth</p>	<p><u>Longitudinal Study.</u></p> <p>Longitudinal study final conclusion</p> <p>Identify minibeasts in local environment.</p>
<p>Vocab</p>	<p>Animals Including Humans Survival, Water, Air Food, Adult, Baby, Offspring, Kitten, Calf, Puppy Baby, Toddler, Teenager, Elderly, Exercise Hygiene, Movement, nutrition, respiration, reproduction, sensitivity, excretion, growth</p>		<p>Every Day Materials Hard, Soft, Stiff, Shiny, Dull, Rough, Smooth, Waterproof, Absorbent, Brick, paper, fabrics, squashing, bending, twisting, stretching, elastic, foil</p>	<p>Living things and their habitats. Living, dead, habitat, Energy, Food Chain, Consumer, Producer, Predator, Prey, woodland, Pond, Desert, Adaptation.</p>	<p>Plants Seeds, Bulbs, Water, Light, Temperature, Growth, Air, Light, Nutrients, Soil Reproduction, Germination, Transportation, Dispersal, Pollination and Flower,</p>	<p>Conclusion Food, predator, omnivore, carnivore, herbivore, Detritivores, Invertebrates, insects, isopods, arachnids, annelids, molluscs, gastropods, mini-beasts.</p>

Cranford Park CE Primary School

Subject Overview for Science

LITERACY IN SCIENCE

Living things and their habitats (Y2)

- The Big Book of Bugs
David Zimmerman
- Dear Greenpeace
Simon James
- Wild World
Bethy Prince & Stefano Vitale
- What Do You Do With a Tad Like This?
Steve Jenkins & Robin Page
- Henry the Polesaurus Centipede
Lyrae Kad Barkis & Tony Ross
- Creature Features
Steve Jenkins & Robin Page
- Leaf
Sandra Dieckmann

@MrsF_primary

LITERACY IN SCIENCE

Plants (Y2)

- The Boy Who Grew Dragons
Andy Shepherd & Sara Cypis
- Flowers are Calling
Kate Gray & Renard Pab
- A Seed is Sleepy
Diana Anton & Sylvia Long
- The Tin Forest
Alan Ward & Wayne Anderson
- The Flower
John Light & Lisa Evans
- Finding Wild
Nayan Wagner Lloyd & Nayan Nayan
- The Boy Who Grows a Forest
Sophie Grice & Kayla Herman
- National Trust Sunflower Shoots and Muddy Boots
Katherine Allgan & Grace Easton

@MrsF_primary

LITERACY IN SCIENCE

Animals, including humans (Y2)

- Mr Sedmore
Eric Carle
- Tad
Bery Davies
- I Am the Jungle
Makana Hart & Katy Tate
- Monkey Puzzle
Julia Donaldson & Axel Scheffler
- Father's Pumpkin: An Indian Flood Story
Chitra Soodar & Pratee Lekha
- The Disgusting Sandwich
Gareth Edwards & Hannah Shaw
- Tailor's Promise
James White & Tony Ross
- Pussy Prada
Julia Jarmen & Fred Blunt

@MrsF_primary

LITERACY IN SCIENCE

Uses of everyday materials (Y2)

- The Great Paper Caper
Oliver Jeffers
- Rosie Revere, Engineer
Andrea Beaty & David Roberts
- Flat Stanley
Jeff Brown & Rob Biddaph
- A Planet Full of Plastic
Neil Layton
- What to Do with a Box
Jane Yolen & Chris Skehan
- Paper Planes
Jan Hehner & Richard Jones
- The Most Magnificent Thing
Ashley Spires
- Brick
Joshua David Stein & Jaki Koffman

@MrsF_primary

Cranford Park CE Primary School

Subject Overview for Science

<p>Years 3/4 Working Scientific ally</p>	<p>During years 3 and 4, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content: ▪ asking relevant questions and using different types of scientific enquiries to answer them ▪ setting up simple practical enquiries, comparative and fair tests ▪ making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers ▪ gathering, recording, classifying and presenting data in a variety of ways to help in answering questions ▪ recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables ▪ reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions ▪ using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions ▪ identifying differences, similarities or changes related to simple scientific ideas and processes ▪ using straightforward scientific evidence to answer questions or to support their findings.</p>					
<p>Year 3</p>	<p><u>All about me</u> SRE- that the life processes common to humans and other animals include nutrition, growth and reproduction. ☒☒ Skeleton humans have muscles for support, protection and movement.</p>	<p><u>That's the Way to Do It</u> Light explore light and dark, shadows and patterns of sizes of shadows.</p>	<p><u>Red Sky at Night</u> Rocks recognise simple properties of rock.</p>			<p><u>Opposites Attract</u> Forces and Magnets</p>
<p>Vocab</p>	<p>Animals Including Humans Movement, nutrition, respiration, reproduction, sensitivity, excretion, growth Muscles, Bones, Skull, Nutrition, Skeletons</p>	<p>Light Light, shadows, Mirror, Reflective, Dark Reflection</p>	<p>Rocks Fossils, Soils, Sandstone, Granite, Marble, Pumice, Crystals, Absorbent</p>			<p>Forces Magnetic, force, Contact, Attract, Repel, Friction, Poles, Push, Pull</p>

Subject Overview

Plants (Y9)

The Book of Blooms
Flora Kolman

The Bluest of Blues
Only Horowitz-Booth

The Last Tree
Lara Rowthorn

THE NIGHT FLOWER
Adriane Barman

PLANTOPIEDIA
Sarah Rogers

I Am the Seed that Grew the Tree
Flora Waters & Fran Preston-Gordon

Up Down
Kate Mearns & Christopher Sickel

@staf_primary

Animals including humans (Y9)

HUMAN BODY ODYSSEY
Adam Rubin & Daniel Salmieri

BONES
Sara Levine & T.S. Spookytooth

CAN I BUILD ANOTHER ME?
Shelake Yoshida

DRAGONS LOVE TACOS
Adam Rubin & Daniel Salmieri

HUMAN BODY
Heather Alexander & Andrea Luzzo

BONES
Sara Levine & T.S. Spookytooth

Life on Earth: Human Body
Heather Alexander & Andrea Luzzo

Book of Bones
Colin Drake Baker & Sam Brewster

Bone by Bone
Sara Levine & T.S. Spookytooth

@staf_primary

Rocks (Y9)

THE PEBBLE IN MY POCKET
Wendell Hooper

THE STREET BENEATH MY FEET
Charlotte Guillen & Tzeit Zeman

A ROCK IS LIVELY
Danni Halls Astor & Dylan Lacey

THE MOLE AND THE HOLE
Brynden Edwards

THE LITTLE PEBBLE
Anna Claybourne & Jilly Garford

UNDER EARTH, UNDER WATER
Alexandra Mazzoni & Doris Mazzoni

Lulu and Pebble
Wendy Maddox & Doris Lyons

STONE GIRL BONE GIRL
The Story of Mary Anning of Lyme Regis
Laurence Anholt & Sheila Moly

@staf_primary

Light (Y9)

THE DARK
Lucy Collet & Jan Kinnon

My Shadow
Robert Louis Stevenson & Sara Sanchez

You are Light
Aaron Becker

Orion and the Dark
Eoin Colfer

WINDOWS
Louise Gray & Ashley Lindsay

THE NIGHT BOX
Louise Gray & Ashley Lindsay

CAN'T YOU SLEEP LITTLE BEAR?
Martin Waddell

@staf_primary

Forces and Magnets (Y9)

egg drop
Fred Hughes & Chris Mould

Max
The Iron Man
Fred Hughes & Chris Mould

THE LOST THING
Shaun Tan

THE ROBOT
David Almond

Mrs. ARMITAGE Queen of the Road
Gareth Beale

@staf_primary

Cranford Park CE Primary School

Subject Overview for Science

<p>Year 4</p>	<p><u>Tomb Raiders</u> <u>Electricity</u></p> <p>Electricity construct simple circuits and name basic parts.</p>	<p><u>What a Racket</u> <u>Sound</u></p> <p>Sound identify sounds are associated with vibrations. How the ear works.</p>		<p><u>All Steamed Up</u></p> <p><u>Materials</u></p> <p>Understanding the states of matter solid, liquid gas. Geog – Natural resources</p>	<p><u>Here and There</u></p> <p><u>Living things and their habitats.</u></p> <p>Living things habitats classifying living things.</p>	<p><u>Don't Bite Off More Than You Can Chew</u></p> <p><u>Animals including Humans</u></p> <p>Animals – teeth, food chains & digestion</p>
<p>Vocab</p>	<p>Electricity</p> <p>Cells, Wires, Bulbs, Switches, Buzzers, Battery, Circuit, Series, Conductors, Insulators.</p>	<p>Sound</p> <p>Volume, Vibration, Wave, Pitch, Tone, Speaker,</p>		<p>States of Matter</p> <p>Solid, Liquid, Gas, Evaporation, Condensation, Particles, Temperature, Freezing, heating</p>	<p>Living things and their habitats.</p> <p>Vertebrates, Fish, Amphibians, Reptiles, Birds, Mammals, Invertebrates, Snails, Slugs, Insects, Environment, Habitats</p>	<p>Animals Including Humans</p> <p>Mouth, Tongue, Teeth, Incisor, Molar, premolar, canine, Oesophagus, Stomach, Small Intestine, Large Intestine, Herbivore, Omnivore, Carnivore</p>

Stanford Park CE Primary
Subject Overview for S

LITERACY IN SCIENCE

Living things and their habitats (Y4)

Under the Canopy
Iris Violet & Cynthia Rossio

The Last Wink
Jackie Morris & Robert MacFarlane

Sparrow Girl
Sara Pennypacker & Tokio Tanaka

Tiger, Tiger, Burning Bright
Paula Wilson & Britta Teckentrup

The Promise
Nicola Davies & Laura Corrie

The Lorax
Dr Seuss

Encyclopedia of Animals
Julie Howard & Jason Vogel

Botanicum (Welcome to the Museum)
Kathy Will & Katie Scott

@Mrs_primary

LITERACY IN SCIENCE

Animals, including humans (Y4)

Wolves
Amy Cool

The Big Book of Beasts
The Big Book of Beasts

The Story of the Little Fish
The Story of the Little Fish

David Walliams
David Walliams

Golf Garden
Golf Garden

How Does the Food Chain Work?
How Does the Food Chain Work?

How Food Travels in the Body
How Food Travels in the Body

Who Eats What?
Who Eats What?

Wolves
Emily Gravett

The Big Book of Beasts
Tina Zommer & Barbara Taylor

The Story of the Little Fish Who Knew it was None of His Business
Walter Holzwarth

Demon Dentist
David Williams & Tony Koon

Golf Garden A Journey into the Wonderful World of Your Microbiome
Kate Brown

How Does the Food Chain Work?
Baby Professor

How Food Travels in the Body
Baby Professor

Food Chains: Who Eats What?
Sam Hutchinson & Sarah Dennis

@Mrs_primary

LITERACY IN SCIENCE

States of Matter (Y4)

The Rhythm of the Rain
Arabella Baker Smith

Stick Dog Dreams of Ice Cream
Tom Watson

Charlie and the Chocolate Factory
Roald Dahl & Quentin Blake

The BFG
Roald Dahl & Quentin Blake

The Story of Snow
The Science of Winter's Wonderland
Mark Cowley & Jan Nelson

River Story
Marioneth Hooper & Sue Wilby

Winter's Child
Anya McAlister & Arabella Baker Smith

Winter Dance
Thomas Locker

LITERACY IN SCIENCE

Sound (Y4)

Sonam and Silence
Eddie Ayres & Karol Taylor

Call Lewis
Call Lewis

The Phoenix Peris
The Phoenix Peris

The Phoenix of Peris
Sally Pearce Clayton & Ann Hazzard-Smith

The Sound of Silence
Kirsten Oskowitz & Jan Ruc

The Wonderbird
David Lusk

Sky Song
Neil Spurgeon

What Sound is Mornings?
Grant Stader

LITERACY IN SCIENCE

Electricity (Y4)

Electrical Wizard
How Nicole Teals Lit up the World
Peter Brown

The Wild Robot
Serouj James

Overheard in a Tower Block
Joseph Coelho & Kate Milner

BOOT Small Robot, Big Adventure
Shona Hegarty & Ben Martin

Izzy Gamo and the Invention Convention
Pip Jones & Sara Ogilvie

Oscar and the Bird
A Book About Electricity
Geoff Wilby

When Charlie McButtton Lost Power
Suanna Collins & Mike Lester

Cranford Park CE Primary School

Subject Overview for Science

<p>Years 5/6 Working Scientific ally</p>	<p>During years 5 and 6, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:</p> <ul style="list-style-type: none"> ▪ planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary ▪ taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate ▪ recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs ▪ using test results to make predictions to set up further comparative and fair tests ▪ reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations ▪ identifying scientific evidence that has been used to support or refute ideas or arguments. 					
<p>Year 5</p>	<p><u>Space Invaders Forces</u> Forces, gravity, air & water resistance</p>	<p><u>Out of This World Space</u> Our Solar System</p>	<p><u>Row Row Row Your Boat Materials</u> Properties and Changes of Materials</p>		<p><u>I'm a Survivor!</u> Living things – life cycles</p>	<p><u>Marvellous mayabs</u> Animals and plants. Life cycle and reproduction of animals and plants.</p>
<p>Vocab</p>	<p>Forces Air resistance, Water resistance, Friction, Gravity, Newton, Gears, Pulleys</p>	<p>Properties and changes of materials Hardness, Solubility, Transparency, Conductivity, Magnetic, Filter, Evaporation, Dissolving, Mixing</p>	<p>Earth and Space Earth, Sun, Moon, Axis, Rotation, Day, Night, Phases of the Moons, Star, Constellation.</p>		<p>Living things and their habitats. Mammal, Reproduction, Insect, Amphibian, Bird, Offspring, Dispersal, pollination, Transportation, Ovule, Photosynthesis, Pistil, Pollen, stamen, stigma, style,</p>	<p>Animals Including Humans Foetus, Embryo, Womb, Gestation, Baby, Toddler, Teenager, Elderly, Growth, Development, Puberty</p>

LITERACY IN SCIENCE

Living things and their habitats (Y5)

Bee! Boy
 Mia Leonard
A Butterfly is Patient
 Diana Ackin
Where the World Turns Wild
 Nicola Fainfold
The Big Book of Birds
 Ruth Zeman
Parade of Frogs
 Owen Dooley
The Coral Kingdom
 Laura Knowles & James Webster
Life Cycles
 DK & Sam Falciner
Whales
 Katy Chad

@mrf_primary

ranford Park CE Primary
 Subject Overview for S

LITERACY IN SCIENCE

Animals, including humans (Y5)

Maia
 Kate Scott
Home in the Woods
 Eliza Wheeler
You're Only Old Once
 Dr. Seuss
Nine Months
 Miranda Paul
Counting By 7s
 Holly Goldberg Sloan
Maia and What Matters
 The Marler & Kaitie Vermeire
If All the World Were...
 Joseph Coelho & Alison Cole
Home in the Woods
 Eliza Wheeler
You're Only Old Once
 Dr. Seuss
Nine Months
 Miranda Paul
Counting By 7s
 Holly Goldberg Sloan

@mrf_primary

LITERACY IN SCIENCE

Properties and changes of materials (Y5)

The Borrowers
 Mary Norton
George's Marvellous Medicine
 Roald Dahl & Quentin Blake
Kamakee's Kingdom
 Michael Morpurgo
Itch
 Simon Mayo
Bartholomew and the Oobleck
 Dr. Seuss
The Story of Inventions
 Anna Claybourne & Allen Larkum
Ada Twist, Scientist
 Andrea Beaty & David Roberts

LITERACY IN SCIENCE

Earth and space (Y5)

Georges
 Lucy Hawking
The Skies Above My Eyes
 Charlotte Sullivan & Ruth Zeman
Planetarium
 Welcome to the Museum
 Karen Propp
Arming the Adventurous Journey of a Mouse to the Moon
 Turlan Eubank
Cosmic
 Frank Cottrell Boyce
Curiosity
 The Story of a Mars Rover
 Markus Motzer
When the Stars Come Out
 Exploring the Magic and Mysteries of the Night-Time
 Nicola Edwards
Once Upon a Star
 The Story of Our Sun
 James Carter & Nan Hertzberg

LITERACY IN SCIENCE

Forces (Y5)

On a Beam of Light
 A Story of Albert Einstein
 Jennifer Berne & Walden Katz
Clockwork
 Philip Pullman
The Tin Snail
 Cameron McAlister
The Explorer
 Edeltraud Kunz
Stick and Stone
 Beth Ferry & Tom Lichtenheld
Aerodynamics of Biscuits
 Clare Helen Walsh & Sophie Toulthou
Limburgh: The Tale of a Flying Mouse
 Turlan Eubank
Newton's Rainbow
 Kathryn Ludky & Ruth Haskins

@mrf_primary

Cranford Park CE Primary School

Subject Overview for Science

Year 6	<p><u>Bombs, Battles and Bravery</u></p> <p><u>Light</u></p> <p>Light exploring how light travels.</p>		<p><u>Eureka!</u></p> <p><u>Electricity</u></p> <p>Electricity exploring brightness of lights.</p>	<p><u>Dangerous Disasters</u></p> <p><u>Living things and their habitats.</u></p> <p>Living things and their differences</p>	<p><u>Every Beat of your heart</u></p> <p><u>Animals including Humans</u></p> <p>Humans: The circulatory system</p>	<p><u>California Dreaming Evlolution</u></p> <p>evolution and inheritance</p>
Vocab	<p>Light</p> <p>Refraction, Reflection, Light, Spectrum, Rainbow, Colour</p>		<p>Electricity</p> <p>Cells, Wires, Bulbs, Switches, Buzzers, Conductors, Insulators, Amps, Volts, Cell</p>	<p>Living things and their habitats.</p> <p>Classification, Vertebrates, Invertebrates, Micro-organisms, Amphibians, Reptiles, Mammals, Insects.</p>	<p>Animals Including Humans</p> <p>Circulatory, Heart, Blood, Vessels, Veins, Arteries, Oxygenated, Deoxygenated, Valve, Exercise, and Respiration.</p>	<p>Evolution and Inheritance</p> <p>Fossils, Adaptation, Evolution, Characteristics, Reproduction, Genetics,</p>

Electricity (Y6)



Energy Island
Alan Drummond

Goodnight Mr Tom
Michelle Magorian

Cool Circuits and Wicked Wires
Susan Martineau

Great Scientific Theories: Electricity
Louise Spillbury

Blackout
John Kocco

The Boy Who Invented TV: The Story of Philo Farnsworth
Kathleen Krul

Wildspark
Vashti Hardy

@MrsF_primary

ark CE Prima
Overview for

Animals, including humans (Y6)



The Bubbie Boy
Stewart Foster

Skellig
David Almond

Knowledge Encyclopedia: Human Body
DK

Marie Curie (Little People, Big Dreams)
Julie Stemberger

The Fastest Boy in the World
Elizabeth Laird

Anatomical
Kate Davies

Anatomical (Welcome To The Museum)
Jennifer Z. Pastan

@MrsF_primary

Living things and their habitats (Y6)



Tiny: The Invisible World of Microbes
Natalie Davies

The Wonder Garden
Jenny Broom

Boy in the Tower
Fady Hammad

The Bacteria Book: Gross Germs, Viri, Viruses, and Punky Pungy
Steve Mead

Unseen Worlds: Real-Life Microscopic Creatures Hiding All Around Us
Helene Kapooka

An Anthology of Intriguing Animals
Ben Hoare

Karl: Get Out of the Garden!
Corinne Linnaeus and the Naming of Everything
Anto Sanchez

Light (Y6)



Letters From the Lighthouse
Emma Carroll

Ember: The Mystery of the Missing Mouse Treasure
Torbjorn Ekelund

How Does a Lighthouse Work?
Roman Boychev

The City of Ember: the graphic novel
Jeanne DuPrau

The Visitor
Andy Davis

Shadow
Lucy Christopher

Lampie: A sweetest Fairy tale and adventure
Annet Schuyf

@MrsF_primary

Evolution and inheritance (Y6)



Moth: An Evolution Story
Julia Thomson

Amazing Evolution: The Journey of Life
Anna Claybourne

Our Family Tree: An Evolution Story
Lisa Westberg Peters

Charles Darwin's On The Origin of Species
Sabina Ralston

The Mollusk: An Evolution Story
Julia Pottle

One Smart Fish
Christopher Wornell

I Used to Be a Fish
Tom Sullivan

@MrsF_primary

Kate Scott