



New Invention Whole School Overview— Science



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Nursery	<ul style="list-style-type: none"> Exploring senses— observing, touching, tasting, smelling Seasons— looking for signs of Autumn Working scientifically— early observation skills 	<ul style="list-style-type: none"> Exploration— grouping items by criteria Exploration— items that need electricity Exploration— simple forces Working scientifically— grouping and sorting 	<ul style="list-style-type: none"> Naming domestic animals Animals— observe simple features of domestic animals Matching young and adult pets Humans— keeping healthy Seasons— looking for signs of Winter 	<ul style="list-style-type: none"> Observe simple features of materials/ objects Name some common materials/ objects Materials— using for building and making Working scientifically— choosing materials 	<ul style="list-style-type: none"> Animals— naming farm animals Animals— observe simple features of farmyard animals Animals— caring for animals Seasons— looking for signs of Summer Working scientifically— simple predictions in investigations 	<ul style="list-style-type: none"> Plants— where do they grow? Plants— where does food come from? Plants— growing cress Working scientifically— explore how toys work
Reception	<ul style="list-style-type: none"> Observation skills Humans— naming body parts Seasons— Features of Autumn Working scientifically— developing observation skills 	<ul style="list-style-type: none"> Humans— exploring the senses Working scientifically— observing simple investigations and making simple predictions and commenting on their observations 	<ul style="list-style-type: none"> Seasons— features of Winter Materials/ Working scientifically— ice investigations 	<ul style="list-style-type: none"> Materials— naming and describing some common everyday materials Materials— grouping and comparing common materials Materials— designing and making a product Seasons— features of Spring 	<ul style="list-style-type: none"> Animals— name and draw some common insects Animals— observe and describe features of some common insects Animals— life cycle of a butterfly Working scientifically— grouping and comparing 	<ul style="list-style-type: none"> Animals— name, draw, observe and describe some common woodland animals Plants— name common flowers and trees Humans— healthy diet and simple life cycle Seasons— features of Summer Working scientifically— observing, commenting, grouping and classifying
Year One	<ul style="list-style-type: none"> Humans— body parts, sense and keeping healthy Working scientifically 	<ul style="list-style-type: none"> Materials— distinguish material from object Materials— name and describe simple properties <ul style="list-style-type: none"> Working scientifically 	<ul style="list-style-type: none"> Materials— grouping based on properties. Materials— testing and building <ul style="list-style-type: none"> Working scientifically 	<ul style="list-style-type: none"> Seasons— types of weather and how weather changes across the year Seasons— trees, rainfall and day length Seasons— what is hibernation? <ul style="list-style-type: none"> Working scientifically 	Animals —features of living things <ul style="list-style-type: none"> Animals —naming and describing observable features and grouping Animals— comparing observable features of a range of animals Animals— simple life cycles <ul style="list-style-type: none"> Animals— diet Working scientifically 	<ul style="list-style-type: none"> Plants— needs for growth Plants— describe basic structure of plants and trees. Plants— wildflowers and trees Plants— simple life cycle Working scientifically
Year Two	<ul style="list-style-type: none"> Humans— importance of good diet, exercise and hygiene Humans— life cycle and changes 	<ul style="list-style-type: none"> Materials— identify uses and suitability of everyday materials <ul style="list-style-type: none"> Materials— comparing suitability of materials for different uses Materials— comparing suitability of materials for different uses Materials— how the shape of solid objects can be changed <ul style="list-style-type: none"> Working scientifically 	<ul style="list-style-type: none"> Working scientifically Materials— reversible and irreversible changes Materials— investigating mixtures <ul style="list-style-type: none"> Working scientifically 	<ul style="list-style-type: none"> Plants— needs for survival Investigations— parachute for an egg Investigation— paper aeroplane <ul style="list-style-type: none"> Working scientifically 	<ul style="list-style-type: none"> Living things— identifying alive, dead and never lived. Living things— food chains and basic survival needs Habitats— naming and what they provide. Habitats— how animals are suited to their habitat <ul style="list-style-type: none"> Working scientifically 	<ul style="list-style-type: none"> Habitats Plants— observing and describing growth (seeds and bulbs) and needs for growth. Plants— life cycles Working scientifically