

Progression of Knowledge by Class

	Kirkstead/Richmond	Tintern
	<p>Wonderful Weather Children should: Know what we mean by weather. Know the names of some different types of weather. Know that there are four seasons and can name them. Know a characteristic of each season. Know some places in the world are very hot (desert) and some are very cold (arctic) Know how the weather affects what we wear.</p> <p>Journeys Children should: Know where they live in the local area. Know that my address says where I live Know what our classroom looks like Know where the school is located. Know what we can find in the school grounds. Know the route from home to school. Know how to record their journey from home to school on a simple map of the local area.</p> <p>Heroes Children should: Know what recycling involves. Know how to create some different craft ideas by recycling used materials. Know different ways of protecting the environment. Know how to contribute to helping. Know that making electricity causes the climate to change. Know some ways to save electricity.</p> <p>Around the World Children should: Know the difference between land and sea. Know some creatures that live on land. Know some creatures that live in the sea. Know that we live in Swineshead. Know that Swineshead is near Boston. Know that we live in the county of Lincolnshire. Know what the Lincolnshire flag looks like Know that Lincolnshire is in England. Know that there are different countries. Know the names of other countries (including those they have visited) know the names of 2-3 oceans.</p> <p>Stop, Look and Listen Children should</p>	<p>Wonderful Weather Children should Know what we mean by weather. Know the names of different types of weather. Know how to describe the daily weather. Know the basic weather associated with each season. Know that we can tell what the weather will be like Know some of the dangerous types of weather (floods, hail, Hurricanes) Know there are some extreme climates in the world and name some (deserts, arctic/Antarctic, rainforest,) Know the effect the weather has on people (what they wear/do)</p> <p>Journeys Children should Know 3 familiar places in our local area. know the school address in the right order. Know how to say/write my own address. Know what each line shows. Know 3 (or more) features of our classroom. Know what 'aerial view' means. Know how to find key features on an aerial view photograph. Know 2 (or more) key features of a map. Know where home and school are on a local map. Know how to create my own map of my route to school. Know the four points of a simple compass. Know how to follow compass directions. Know some symbols to use on a simple map.</p> <p>Heroes Children should Know what pollution is. Know how to name a climate from around the world. Know that pollution is affecting the environment. Know some of the effects of climate change. Know what the Messy Magpie would do to help recycling. Know how we can keep our local area clear of litter. Know who Greta Thunberg is and why she is famous. Know who Finlay Pringle is and which animal he is helping></p> <p>Around the World Children should: Know the names of the 7 continents of the world. Know the name 2-3 of the world's oceans. Know how to find a continent in an atlas. Know the difference between an atlas and a globe. Know what a journey line is. Know the difference between an ocean and a continent. Know the four main compass directions.</p>

	<p>Know how to name three things in the local area (school, church, shop etc) Know where they are. Know how to put them on a simple map of the local area. Know some key things I like about the local area (e.g., playground, duck pond etc) Know different types of houses. Know which type I live in Know some key features of my house (rooms, garden etc) Know how to cross the road safely. Know what the role of the emergency services is. Know how to call them if required. Food, Glorious Food Children should: know what a farm is. know different types of farms, know that farms are found in the countryside, know some of the main buildings on the farm, know that crops are grown in the fields, know there are Four Seasons. Under the Sea Children should know we live on an island. know some of the Seas around the island, know we live in England, know where the seaside is, know some of the features of the seaside. can talk about the seaside they have visited. know the names Of the five oceans. Know the names of the seven continents. . .</p>	<p>know the location of hot and cold areas of the world in relation to the Equator and the North and South Pole. know what hot and cold countries are. Know where Europe is. Know where France is. Know what an aerial photograph is. know how to identify key human and physical features on a photograph. Stop, Look and Listen Children should. Know 3 things about our local area. Know how to find 3 places on a local street map and say where they can be found. Know how to use compass directions to follow simple instructions on the playground. Know how to follow a street map. know how to record what they can see and hear in our local area. Know how to make decisions about what they like and dislike about our local area. Know how to label places on a map of our local area. Know how to show a 'route' on a map of our local area. Know different types of housing and can describe their characteristics. Know different roles carried out in the local area. Know what they like and dislike about the local area. Know how to suggest some improvements. Know how we cross the road. Know the dangers of local drains and how we keep ourselves safe. Food, Glorious Food Children should: know what a farm is. know the different types of farms, (arable, livestock and dairy) know what happens on each type of farm. know why farms are so important. know why farms are found in rural as opposed to urban areas. Can identify some of the main buildings in a farm, (pig sty, hen house and office) Know how the land around the farm is used for pasture and crops. know what the four points on a compass mean. know how to use a compass to navigate around a map of a farm. know how keys and symbols are used on maps to make them easier to read. know how to identify the four seasons of the year and identify their features. Know what typically happens on a farm during each of the four seasons in terms of animal and crop care. Under the Sea Children should know the names and locations of the five oceans and seven continents. know how to locate some seas and countries on a world map. know some human and physical features of the seaside. know why seas are important to the UK. can say what an island is and think about what being an island means for the UK. know the names and locations of the seas around the UK, and their importance to the UK. know that the seaside is different in other parts of the world know how to compare British and non-British beaches in terms of human and physical features. know which animals are found at the beach and in the rockpools know why they live there. know what a marine habitat is</p>
	<p>Crowland/Regent</p>	<p>Westminster/St James</p>
	<p>Wonderful Weather</p>	<p>Wonderful Weather</p>

Children should
Know how to describe the daily weather.
Know the basic weather associated with each season.
Know the effect the weather has on people (what they wear/do)
Know that we can tell what the weather will be like
Know what a weather forecast will tell you.
Know some of the dangerous types of weather (floods, hail, Hurricanes)
Know there are some extreme climates in the world and name some (deserts, arctic/Antarctic, rainforest,)
Know that the weather changes across the world.
Know that the seasons occur at different times of the year.
Know some of the features of the Arctic and the animals that live there.
Britain and the World
Children should:
Know they live in Lincolnshire.
Know Lincolnshire is in England
Know the four countries of the UK.
know the capital cities of the UK.
know the four compass points.
Know where to find the North Sea, English Channel, Irish Sea, Atlantic Ocean, River Thames, River Severn, River Tay, River Bann.
Know where to find Snowdon, Ben Nevis, Scafell Pike, Slieve Donard
Know the four countries of the UK.
Know some of the local counties.
Know the difference between a country and a county.
Know how London was first settled and why it became important.
Know how it has developed.
Stop, Look and Listen
Children should.
Know 3 things about our local area.
Know how to find 3 places on a local street map and say where they can be found.
Know how to find 3 places in Boston on a local map.
Know how to use compass directions to follow simple instructions on the map.
Know how to follow a street map.
Know how to compare what they can see on a map and what they can see on an aerial photograph.
Know how to label places on a map of our local area.
Know how to show a 'route' on a map of our local area.
Know different types of housing and can describe their characteristics.
Know different roles carried out in the local area.
Know what they like and dislike about the local area.
Know how to suggest some improvements.
Food, Glorious Food
Children should:
know what a farm is.
know the different types of farms, (arable, livestock and dairy)
know what happens on each type of farm.
know where different farms types are found (e.g., hill sheep rearing in the Lake district, arable farming in Lincolnshire, tulip hydroponic farming)

Children should
Know how to describe the daily weather.
Know the weather patterns across the year.
Know that the seasons occur at different times of the year in different countries.
Know the basic weather associated with each season.
Know the effect the weather has animals and plants (hibernation, migration, germination, leaf loss)
Know that we can tell what the weather will be like
Know what a weather forecast will tell you.
Know the difference between weather and climate.
Know some of the dangerous types of weather (floods, hail, Hurricanes)
Know how people try to deal with these.
Know that the weather changes across the world.
Know some of the key features of hot climates and the animals that live there.
Know some of the key features of cold climates and the animals that live there.
Know how to compare the adaptations of animals to match the climate.
Britain and the World
Children should
Know how to locate the countries that make up the UK on a map.
Know the capital cities of the countries of the UK.
Know how to label key cities in the UK on a map.
Know how to use the eight compass points to describe a location on a map.
Know how to name the seas surrounding the UK.
Know the names of some of the UK's main rivers. (Ouse, Thames, Severn, Tay, Bann,)
Know the names of the seas some rivers flow into.
Know the names of some areas of high ground in the UK.
Know how to find the altitude of the main peaks (Snowdon, Ben Nevis, Scafell Pike, Slieve Donard)
Know what a county is.
Know some counties local to my area.
Know how to identify some counties on a map (Lincolnshire, Yorkshire Norfolk, Nottinghamshire)
Know who first settled in London.
Know some ways that London has changed since AD 43.
Know where London is on world and UK maps.
Know the location of the Prime Meridian.
Know why London was chosen to be the location of the Prime Meridian.
Know why Britain has changed in terms of human geography.
Know where some immigrants to the UK have come from.
Know where Paris is on a map and identify its key geographical features.
know how to use digital mapping to describe and locate Parisian tourist attractions.
know how to compare and contrast Paris and London.
Stop, Look and Listen
Children should.
Know how to compare a map of Swineshead with a map of Boston and identify key differences.
Know how to use compass directions to follow simple instructions on the map.
Know how to compare what they can see on a map and what they can see on an aerial photograph.
Know how to label places on a map of our local area.
Know how to show a 'route' on a map of our local area.
Know different types of land use and can describe their characteristics.
Know different roles carried out in the local area.
Know what they like and dislike about the local area.

	<p>know why farms are so important. know why farms are found in rural as opposed to urban areas. Know how the land around the farm is used for pasture and crops. know what the four points on a compass mean. know how to use a compass to navigate around a map of a farm. ☑know how keys and symbols are used on maps to make them easier to read. know how to identify the four seasons of the year and identify their features. Know what typically happens on a farm during each of the four seasons in terms of animal and crop care. know the difference between urban and rural areas. know the ways in which towns and farms are different to each other in terms of both their human and physical features. Sun, Sea and sand Children should know the ☑names and locations of the five oceans and seven continents. know how to locate some seas and countries on a world map. know the features of the seaside. know the names of the countries of the United Kingdom and its geographical location in the world. know some human and physical features of the seaside. know why seas are important to the UK. know the names and locations of the seas around the UK, and their importance to the UK. know that the seaside is different in other parts of the world. know how to compare British and non-British beaches in terms of human and physical features. know which animals are found at the beach and in the rockpools. know why they live there. ☑know what a marine habitat is and know what an adaptation is.</p>	<p>Know how to conduct a traffic survey. Know how to represent data collected in a survey. Know how to collect data about possible improvements to the area. Know how to suggest some improvements to the local area. Food, Glorious Food Children should: know what a farm is. know the different types of farms, (arable, livestock and dairy) know what happens on each type of farm. know why farms are so important. know why farms are found in rural as opposed to urban areas. Can identify some of the main buildings in a farm, (pig sty, hen house and office) Know how the land around the farm is used for pasture and crops. know how to identify the four seasons of the year and identify their features. Know what typically happens on a farm during each of the four seasons in terms of animal and crop care. know the difference between urban and rural areas. know the ways in which towns and farms are different to each other in terms of both their human and physical features. Know the geographical features typical to towns and farms? Know the ways in which towns and farms are different☑ know the story of food production, from planting seeds to harvesting, processing, cooking and eating. know what we mean by global trade in food. know that many foods have been transported a great distance before we eat them. know what we mean by food miles. Know there are environmental costs associated with the transportation of food. Sun, sea and sand Children should know the ☑names and locations of the five oceans and seven continents. know how to locate some seas and countries on a world map. know the features of the seaside. know the names of the countries of the United Kingdom and its geographical location in the world. know some human and physical features of the seaside. know why seas are important to the UK. can say what an island is and think about what being an island means for the UK. know the names and locations of the seas around the UK, and their importance to the UK. know that the seaside is different in other parts of the world. know how to compare British and non-British beaches in terms of human and physical features. know which animals are found at the beach and in the rockpools. know why they live there. ☑know what a marine habitat is and know what an adaptation is. Know why some marine animals are different across the world. Know about the impact of plastic pollution on marine species. Know how plastic reaches the oceans. Know the negative implications on human health. Know some things we can do to help</p>	
	Fountains/Central	Lindisfarne/Sempringham/Phoenix	Kelso/Ramsey/Hyde
	Maps of the World Children should: Know the names of the seven continents of the world.	Rivers Children should: ☑know what evaporation is. Know what condensation is.	Land Use Children should: Know how countries trade resources for money~ Know what importing and exporting are.

<p>know how to locate them on a world map. know how to identify each continent from a given clue. know which continent we live in and some key facts about the continent. know the difference between a country and a continent. know how to use an atlas to identify different countries. know which continent found countries are in Know the tallest mountain in each continent. Know the longest river in each continent. Know where the hottest, coldest, largest and smallest countries are. Know what a capital city is. Know the names of key capital cities. Know some key facts about each. Know what human features of a location are. Know what physical features of a location are. Know how to research features of a country. Know some similarities between countries. Know some differences between countries. know some specific features of self chosen countries.</p> <p>Climates and Biomes Children should: know how to locate continents around the world~ Know some of the major countries in these continents. Know why different vegetation types are found there. know what biomes are and identify major biomes around the world. know whether all plants can grow in different places around the world. Know the main climate zones and biomes. Know what desert biomes are. Know how to identify both hot and cold deserts as being the most extreme climates in the world. Know some adaptations that enable plants to survive in extreme environments. Know the plants that we eat. know the staple foods in our diet that come from plants, and what agriculture is. Know why some crops grow better in different parts of the world than others, know how plants get from the fields to our tables.</p>	<p>Know how water circulates around the cycle. Know how rivers are formed. Know the terms erosion, deposition and transportation. Know some of the features of rivers including deltas, meanders, tributaries. Know why rivers are important. Know some human uses for rivers including transport, habitats, leisure etc. Know what causes pollution. Know which rivers in the world are heavily polluted. Know ways to prevent pollution. Know where the River Nile is Know how important it is to the local community. Know how to ask and answer geographical questions. Know how to generate questions for investigation. Know how to collect information from a field trip. Know how to present information for an audience.</p> <p>Swineshead V Eastern Europe Children should: Know the seven continents. know the names of some eastern European countries. Know the meaning of landscape. know the variety of physical features found in Eastern Europe (Russia, Turkey, Ukraine etc) know some similarities and differences. Know what latitude is. Know how latitude affects climate. Know the climate of an area of Eastern Europe. know the human geographical features of 3 places within Eastern Europe (ST Petersburg, Moscow, Kiev and Istanbul) know how to express a preference. Know how to research a given location. Know some facts about Estonia, Russia, Ukraine, Istanbul Know how nuclear power is used to generate electricity. Know some of the dangers. Know where Chernobyl is located. Know what happened there. Know which countries were affected.</p> <p>Mountains and Deserts Children should: Know how to use a legend to find areas of higher ground on a map. know the country a mountain range is found in. know how to use the index in an atlas to find mountains. know the height of a peak on a map. know the location of The Andes, The Rockies, The Alps, The Urals, The Himalayas., The Snowy Mountains, Know different ways areas of higher ground are shown on a map. Know what a hill might look like based on its contours. know how to draw contour lines to show higher ground. Know where Snowdonia, The Lake District, the Pennines. The Cairngorms, The Black Mountains and the Cheviots are located.</p>	<p>Know some key imports/exports from the local region. Know what we mean by settlement. Know the functions of different levels of settlement. Know how to conduct a land use survey. Know what we mean by land use. Know how the land use in an area might be improved. Know some objections that can be raised for land use changes. Know that some land use changes are for the good and some not. Know what is meant by coastal erosion. Know what is meant by renewal. Know what is meant by New Town. Know how Swineshead has changed over time. Know different land use categories. Know how to record them on a plan.</p> <p>Swineshead V the Americas Children should: know that North America is made up of 23 countries, nine dependent territories and 50 states. Know that South America is made up of 12 countries and 3 dependent territories. Know some capital cities in North and South America Know how this compares to the structure of the United Kingdom. Know what latitude and longitude are. Know how these affect the climate zones of a location. Know how to describe the physical features of contrasting areas of the Americas. Know how the latitude and longitude of the UK compares. Know why climate zones in the UK are less diverse than in the Americas. Know the difference between weather and climate. Know what the Koppen system shows. Know the climate, biome and weather conditions in a specific area of the Americas. Know how this compares to Lincolnshire. Know why fieldwork is important. Know which features can be compared using fieldwork. Know how to present data. Know some physical (and human) features of the location. Know some physical (and human) features of Lincolnshire. Know how to compare and contrast the two. Know how to ask and answer geographical questions. Know the seven wonders of the Ancient World (The Great Pyramid of Giza, The Hanging Gardens of Babylon, Temple of Artemis at Ephesus, Statue of Zeus at Olympia, Mausoleum at Halicarnassus, Colossus of Rhodes, Lighthouse of Alexandria) Know the seven wonders of the modern world (The Great Wall of China, Petra, The Colosseum, Chichen Itza, Machu Picchu, Taj Mahal, Christ the Redeemer Statue.) Know how to use co-ordinates to identify their location. Know about some natural wonders of the Americas (Denali, Grand Canyon, Yosemite, Hawaii Volcanoes, Rocky Mountains, Monument Valley, Yellowstone etc)</p>
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<p>know some objects made from plant material including for wood, paper, medicine, fabrics, rubber and cosmetics.</p> <p>know the impact of over cultivation on the environment.</p> <p>Know some plants found in mega diverse countries</p> <p>‘</p> <p>Know what biodiversity’ is and find out what a mega-diverse country is.</p> <p>identify the 17 mega-diverse countries in the world.</p> <p>locate them on a map and research a country.</p> <p>Swineshead V London</p> <p>Children should:</p> <p>know how to locate London on a world and UK map.</p> <p>know that London is the capital city of the UK.</p> <p>know how to travel from Swineshead to London.</p> <p>know what landmarks are.</p> <p>know some key facts about a range of landmarks.</p> <p>know how to use aerial photographs to identify landmarks.</p> <p>know about the London Underground.</p> <p>know how to use an underground map to navigate between two landmarks.</p> <p>Know about the River Thames from source to Mouth.</p> <p>Know how to travel to London.</p> <p>Know how to travel between landmarks.</p> <p>Know how to cost a trip and keep within a budget.</p> <p>Know the difference between rural and built up.</p> <p>Know how to compare human and physical features of a place.</p>	<p>Know that not all mountains look the same.</p> <p>Be able to identify a valley and the summit, foot and slope of a mountain. an outcrop, a ridge, the tree line and the snow line.</p> <p>Know what a plateau. is</p> <p>Know that mountains formed a very long time ago.</p> <p>Know how tectonic plates move together to create fold mountains.</p> <p>Know how lava flow creates volcanic mountains.</p> <p>Know how fault lines in the Earth’s crust move to create mountains.</p> <p>Know how pressure from magma under the Earth’s surface creates dome mountains.</p> <p>Know how erosion creates plateau mountains.</p> <p>Know what the weather is usually like on a mountain.</p> <p>Know the differences between a weather forecast and climate.</p> <p>can compare mountain climates.</p> <p>Know the risks associated with a mountain climate.</p> <p>Know why people might visit mountains.</p> <p>Know some of the effects of tourism on an area.</p> <p>Know ways to limit the damage tourism causes to an area.</p> <p>Know who is responsible for limiting the damage tourism can cause.</p> <p>Know there are hot and cold deserts.</p> <p>Know that deserts can be created in different ways.</p> <p>Know how rain shadow deserts are formed.</p> <p>Know how trade wind deserts are formed.</p> <p>Know where deserts are found.</p> <p>Know some of the animals and plants that are found there.</p> <p>World’s Kitchen</p> <p>Children should:</p> <p>Know that the UK is in the Northern Hemisphere.</p> <p>Know that many other common foods come from different places around the world.</p> <p>Know the origins of some breakfast foods,</p> <p>Know how they are traded and transported around the world. •</p> <p>Know about some of the different climate zones around the world.</p> <p>Know how farmers in temperate climates grow and harvest wheat and other crops before distributing them around the world.</p> <p>Know some of the conditions in temperate climate zones?</p> <p>Know that the tropics as being between the Tropics of Cancer and Capricorn.</p> <p>Know about tropical climates and why bananas grow well in this climate.</p> <p>Know how bananas are grown before being exported to the UK.</p> <p>Know about fair trade.</p> <p>Know that Indonesia is in a tropical climate.</p> <p>Know what we mean by ‘biome’.</p> <p>Know how Rice production in Indonesia means that farmers change land use.</p> <p>Know the consequences of deforestation as a result.</p> <p>Know how to locate areas in the world that have a Mediterranean climate zone.</p> <p>know how to identify the features of this biome.</p> <p>Know some of the produce that can be grown and reared in Italy thanks to the climate.</p> <p>Know what lines of longitude and latitude are.</p>	<p>Know how to present information for an audience.</p> <p>Resources and the Environment</p> <p>Children should:</p> <p>Know land is an important natural resource in the UK.</p> <p>Know the many ways land is used,</p> <p>Know how it has changed and the factors limiting the ways in which it can be used.</p> <p>Know how fossil fuels are produced.</p> <p>Know they can be used to produce electricity.</p> <p>Know how this power is distributed across the UK via the National Grid.</p> <p>Know some of the problems associated with burning coal and gas.</p> <p>Know some alternative sources of energy production to coal and gas.</p> <p>Know about clean renewables (wind, solar and Hydroelectric)</p> <p>Know the pros and cons of their use.</p> <p>Know some of the major wood-producing countries around the world.</p> <p>Know why Britain imports so many wood products from other countries.</p> <p>Know different ways in which wood is used.</p> <p>Know some of the problems associated with wood production.</p> <p>Know the process of how steel is produced.</p> <p>Know some of the uses of steel.</p> <p>Know how it is used and traded around the world.</p> <p>Know how glass and concrete are produced.</p> <p>Know the natural resources used in their production.</p> <p>know what the meaning of ‘abundant’ resources is.</p> <p>know some of the benefits and drawbacks of exploiting natural resources.</p> <p>Know how to research an environmental concern.</p> <p>Know how to present their findings.</p> <p>Volcanoes and Earthquakes</p> <p>Children should</p> <p>know the structure of the earth.</p> <p>Know what the layers are called.</p> <p>Know the functions of each layer.</p> <p>Know the features of a volcano.</p> <p>Know how to name the features (chimney, throat, ash cloud, gas, molten rock, crater, main vent, secondary vent, lava flow, volcanic bomb, magma chamber, fumarole)</p> <p>Know the difference between active and dormant.</p> <p>Know what active and extinct mean.</p> <p>Know how to find some volcanoes on a map.</p> <p>Know the link between volcano location and tectonic plates.</p> <p>Know what happens when a volcano explodes.</p> <p>Know what the outcomes of an explosion are.</p> <p>Know what the terms Volcanic ash, Lava flow Volcanic bombs Pyroclastic flow Mud flow (or ‘lahar’) mean.</p> <p>Know what happened when Soufriere exploded.</p> <p>Know that people live near volcanoes.</p> <p>Know that there are agricultural benefits to volcanoes.</p> <p>Know that there are some tourist benefits to volcanoes.</p> <p>Know where earthquakes occur.</p>
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