



Key Question Week 1: Can you crack the code?

Key Text for Linked Learning: Information texts about Spheros

Linked Learning: Computing

In Computing, the children will be preparing for a Computing competition using Spheros. They will be creating algorithms to manoeuvre a Sphero around a golf course or street map and look at identifying errors and effective methods for debugging these independently. This will prepare the children for participating in a coding competition in June.

In English, children will analyse the language features used by authors in an instructional text, before creating their own instruction manual on how to use a Sphero. They will be looking at level of formality within their writing and ensuring this is consistent. They will also ensure that the information is presented concisely for their readers and only include the relevant information needed.

Maths: This week, children will revise the place value of numbers up to 10 million, including those with decimals and negative numbers, in addition to practising multiplying and dividing numbers by 10, 100 and 1000 in the context of measurement. They will also use apply their knowledge of formal written methods to solve problems involving addition and subtraction.

Science: Children will recognise the impact of drugs and alcohol on the way their bodies function.

History / Geography: Children will consolidate their learning on World War One with a study into the resolution of the conflict and its impact on life in Britain in the following years.

Computing: Linked learning

Music: Children will continue their detailed listening and discussion of music by listening to and commenting on music by Mark-Anthony Turnage.

Art / Design Technology: Children will create a piece of art using their skills with tone and texture whilst listening to the music of Turnage. They can compare their creations with their previous creations inspired by Wagner. How do they compare and contrast?

PDW / R.E: In the lead up to their examinations, the children will begin to develop methods to identify changes in their own or others' mental wellbeing, recognise triggers, seek support and articulate these to the appropriate person.

P.E: The Summer Term sees the beginning of two new PE topics: rounders and tennis. In rounders, children will practise their throwing and catching techniques, developing accuracy. In tennis, children will recap how to use the backhand technique to hit the ball.

MFL: Children will revisit their learning from last term including transactional conversations and simple past tense. They will also recap the French phonics.

Mini Quiz:



Key Question Week 2: How do I build the foundations of my future?

Key Text for Linked Learning: Mighty Mommies and Their Amazing Jobs – Donald Jacobsen

Linked Learning: PDW

PDW learning this week will focus around children's aspirations for the future and the paths they will need to take to achieve the dreams. They will study a variety of different occupations, typical responsibilities of the people holding these roles and the activities including in a typical day. As part of this topic, we will hold a careers fair, during which children will be able to speak to people with a range of occupations and see demonstrations of their jobs in action.

In English, applying their PDW knowledge, children will write an imaginative report about a typical day in their life after they have achieved their goals and are working in their dream job, with a particular focus on using different verb tenses appropriately.

Maths: Maths learning this week will focus around multiplication and division and will require children to draw on their knowledge of multiplication tables. During this week, children will revise the terminology used, including *factors*, *multiples* and *product*. Applying their knowledge, children will apply strategies to solve multiplication problems mentally, before moving on to using formal written methods for both multiplication and division to solve worded problems. Children will also use known multiplication and division facts to calculate the answers to multiplication and division problems involving decimals.

Science: Children will recognise the impact of diet and exercise on the way their bodies function.

History / Geography: In History, children will make links between their factual knowledge and understanding of the history of Britain and the wider world to study and explain how working practices and the careers available to different groups of people have changed in the historical periods they have studied so far: the Victorian era and the First World War.

Computing: Children will learn about the risks related to online gambling, the accumulation of debt and the negative impact of these on relationships.

Music: Children will learn about two bar phrases and create and perform their own.

Art / Design Technology: Children will research biomes and design their own, focusing on the resources they will need to create their biomes.

PDW / R.E: Linked Learning

P.E: Tennis learning this week will focus around controlling the ball using roll-to-roll and the correct position to hold the racket in to hit the ball using the forehand grip. Rounders learning will focus around bowling, requiring children to throw the ball using an appropriate technique at a specified target.

MFL: In French, children will be introduced to vocabulary to describe careers, including the grammatical and pronunciation differences between professions described in the masculine and feminine forms. They will generate short sentences to describe the jobs of family members.



Key Question Week 3: How can we keep healthy in body and mind?

Key Text for Linked Learning: The Human Body Book - DK UK

Linked Learning: Science

In Science this week, children will investigate the effect of exercise on the human body, applying a range of investigative skills including taking accurate measurements, recording data, presenting their data and identifying situations in which it would be necessary to take repeat measurements to increase the accuracy of results. They will then apply their scientific knowledge to create a non-chronological report about their findings, using a variety of scientific vocabulary to outline the effects of exercise on the human body. Also in this piece of writing, children will showcase their knowledge of causal conjunctions, applying these to link ideas.

Maths: The beginning of the week will be based around fractions, decimals and percentages, before dividing deeper into fractions. Children will convert between fractions, decimals and percentages to order them, and then calculate percentages of amounts. Following this, children will move on to adding and subtracting fractions (including those involving mixed numbers) and multiplying and dividing fractions.

Science: Linked learning.

History/Geography: Following on from last week's, learning, children will create a presentation on how working practices and the careers available to different groups of people have changed in the historical periods they have studied so far: the Victorian era and the First World War.

Computing: Children will learn that they have the right to give or withhold consent to information or photographs of them being shared online.

Music: Children will learn about and perform eight bar phrases of music.

Art / Design Technology: Children will build the biomes they designed last week.

PDW / R.E: Children will learn about personal hygiene and germs, including bacteria, viruses, including how they are spread and treated.

P.E: In tennis, children will use the backhand technique to create a backhand rolling rally, developing their accuracy and control when hitting the ball. In rounders, children will take on different roles of a small rounders team, aiming to return the ball to the bowler.

MFL: In French children will learn to discuss healthy and unhealthy lifestyle choices.



Key Question Week 4: Is this surreal?

Key Text for Linked Learning: The Usborne Book of Famous Artists

Linked Learning: Art, Music, Computing

In Art this week, children will study Salvador Dali, the most prominent representative of the surrealist movement, in addition to the work of Rene Magritte. They will compare his works to those of another movement (including Wassily Kandinsky's work as part of the Expressionist movement). They will also discuss why ideas and meanings in others' work is subject to different interpretations, ready to begin to create their own piece of surrealist artwork.

Children will apply their knowledge of surrealist artwork to write an accompanying rationale about a piece of Dali's work of their choice, including prepositions, conjunctions and writing in the present perfect tense.

Music learning this week will focus around Avant Garde music and the role it played in the post-war world. Children will compare and contrast a piece of Avant Garde music with Mass in D by Ethel Smyth, noting how music changed over the course of two world wars. Following this, children will create their own piece of Avant Garde music using iPad app GarageBand, layering instruments as appropriate.

Maths: Maths learning this week will focus around geometry. Children will estimate and then calculate the areas and perimeters of rectilinear shapes. In addition to this, they will also draw a variety of shapes using given areas. Once area has been revised, children will recap their knowledge of finding the volumes of cuboids using the formula $l \times w \times h$ and then investigate the different cuboids that can be created using a given volume, applying their knowledge of factors of numbers. Children will then move on to solving geometry problems by finding missing angles, in addition to reflecting translating shapes on co-ordinate grids. They will complete the week by investigating nets: they will draw nets of 3D shapes and then make nets to test whether they form open cubes.

Science: Children will learn the meaning of the term *inheritance* and that living things produce offspring of the same kind, although they will vary and will not be identical to their parents.

History / Geography: Children will present their projects from last week to the class and participate in a question and answer session based on the content of their presentation.

Computing: Linked learning

Music: Linked learning

Art / Design Technology: Linked learning

PDW / R.E: This week, the children will focus on positive ways to approach new challenges, including applying relaxation and mindfulness techniques to aid them in facing academic challenge.

P.E: During this week's tennis lesson, children will practise throwing the ball in preparation for a volley, before sustaining a volley with their partner. As part of their rounders learning, children will continue to work as part of a rounders team to develop their throwing, catching and communication skills.

MFL: Children will learn about what makes a good cyclist – what qualities, lifestyles and commitments are required to ride in Le Tour de France.



Key Question Week 5: How did tractors become tanks?

Key Text for Linked Learning: The Story of the First World War for Children – John Malam

Linked Learning: DT, Science, History

This week, children will complete a project which will require them to create a moving toy based on a World War One tank. The week will begin with children researching the types of tanks used during WWI in order to inform their designs. The knowledge children gain from this will also be used to write a non-chronological report about the use of tanks during WWI. To be able to do this, children will identify the features of a non-chronological report and appropriate vocabulary to use, substituting informal language for formal language and using key, topic-specific terminology. They will spend English lessons in the second half of the week writing their report before proof-reading and editing it to ensure it includes a range of sentence structures.

Once they have created a fully-informed design, children will collaborate with their group to design a tank and create a prototype of their design, before choosing appropriate materials from a given selection to build their tank. They will then apply their knowledge of circuits to design a circuit to ensure that the vehicle is motorised and moves when a switch is pressed.

Maths: The first half of this week will be focused around statistics. Children will study a variety of pictograms, bar charts, line graphs and pie charts and interpret data represented in them and will create their own pie chart to represent data on. Children will also learn how to find the mean of a set of data and manipulate data to give mean values. The second half of the week will be based on algebra. Using given sequences, children will need to identify formulae and then add in the missing numbers. They will then progress onto using bar models to represent equations and solving equations to find unknown values.

Science: See linked learning

History / Geography: See linked learning

Computing: As part of their tank project, children will use technology purposefully to create digital content to add to a televised advert for their finished tank.

Music: Children will use GarageBand to create background music and sounds for their TV advert.

Art / Design Technology: See linked learning

PDW / R.E: Children will identify different types of relationships and talk about their emotional impact along with respecting others in relationships.

P.E: Tennis learning this week focuses around developing a serving technique. Children will combine all of the skills learnt so far to take part in a rounders match as part of a full team.

MFL: The children will research Le Tour de France – What is it? Where does it go?



Key Question Week 6: Can you make your vehicle move?

Key Text for Linked Learning: Informative leaflets

Linked Learning: DT, Science

During DT this week, children will complete the final product design of their mechanical vehicles. They will then evaluate their product according to their design criteria. In Science they will construct their circuits to ensure their vehicle moves as per the brief. English learning will recap the features of informative leaflets and identify suitable sentence structures and vocabulary to use in their own writing. They will explain how their mechanical vehicle operates, applying their knowledge of a variety of cohesive devices such as adverbials and conjunctions. They will also use technical vocabulary where appropriate.

Maths: During the start of the week, children will apply their knowledge of all four operations to solve multi-step problems. They will then apply their problem-solving knowledge to complete a range of games and puzzles involving domino investigations, BODMAS and using pentominoes to make rectangles and explore area relationships.

Science: Linked learning

History / Geography: In preparation for next week's learning, children will recap previous learning about WWII.

Computing: Children will complete their televised tank advert this week by selecting and using the appropriate technology to edit and organise their digital content.

Music: Children will learn about accidentals in music and how they affect the tone of a piece.

Art / Design Technology: Linked learning

PDW / R.E: Children will begin to understand practical steps they can take in a range of different contexts to improve or support respectful relationships.

P.E: The final tennis lesson will allow children to combine all of the tennis skills learnt this half term to compete in a tennis tournament. Children will also compete in a rounders tournament, applying the skills of throwing, catching, communication and marking opponents.

MFL: The children will learn about the equipment needed for a tour de France competitor. They will also learn a Tour de France song.



Key Question Week 7: What does it take to influence a nation?

Key Text for Linked Learning: The Diary of Anne Frank

Linked Learning: History

This week, children will begin their learning on World War II. They will revisit what they know about how the war began in 1939, before beginning a deeper study of how the financial and political climate in Germany changed following the resolution of the First World War and how this allowed Hitler to influence the nation into believing in his ethos. Children will analyse and explain reasons for, and results of, the Holocaust.

In English, children will focus on reading. They will engage with extracts from *The Diary of Anne Frank* and comment on the authorial perspective of the text, using inference to deduce Anne's feelings at different points of her concealment. The children will use drama and hot seating techniques to generate emotive and figurative language to describe the feelings of a Jewish person during the early days of the Holocaust in Europe.

Maths: This week, children will explore the history of Maths and how our number system was founded. They will begin by writing numbers using a variety of different number systems, including those of Roman, Hindu and Mayan origin. They will then apply their knowledge of number patterns (particularly multiplication and prime numbers) to investigate the conjectures and discoveries of Goldbach, Pascal, Fibonacci and Napier, before concluding the week studying Pythagoras' theorem.

Science: Children will identify what is meant by the term *adaptation* and how animals and plants are adapted to suit their environment in different ways, in the context of environmental variation.

History/Geography: Children will begin their study of Australia by using Geographic Information Systems, online maps and atlases to identify the territories and learn the four key landform regions of Australia: Coastal Plains, Eastern Highlands, Central Lowlands and Western Plateau.

Computing: Children will understand how to maintain positive and healthy relationships online.

Music: : The children will listen to and learn about two-part harmonies this week, looking at the notes together on a staff and attempting to sing a simple one-note harmony as a class.

Art / Design Technology: Children will add the finishing touches to their WWI mechanical tanks, based on their evaluations from last week.

PDW / R.E: This week the children will take part in sessions on Sex and Relationships Education. They will become aware of how the body changes (including emotional changes) at puberty and how to deal with these in a positive way. They will also learn about managing menstrual wellbeing and the impact it could have on daily life. Children will explain human reproduction and that/how pregnancy can be prevented.

P.E: The second half of the Summer Term sees the beginning of the athletics topic. This week's sessions will focus around sprinting. They will learn how to position their bodies correctly before recapping relay techniques and how to pass and receive a baton efficiently during a race.

MFL: The children will read an information text about the Tour de France in French and use the model to discuss another sporting event.

Mini Quiz:



Key Question Week 8: Will your diary influence future generations?

Key Text for Linked Learning: The Diary of Anne Frank

Linked Learning: History

In English, the children will continue with their work on diaries; this week they will be using their Reading work on Anne Frank's diary to write their own diary piece from the perspective of somebody in hiding during the Holocaust. The children will focus on applying emotive and figurative language to describe feelings, using a variety of different sentence structures for effect and writing in the informal register to reflect how a personal diary would read.

Maths: This week, children will discover how maths is used every day, all around us. They will explore the cubit used by the Ancient Egyptians and how standard and non-standard measures are used, in addition to learning about 'Fermi' estimates and how to use these appropriately. During this week, children will also discover how closely Science and Maths are linked, by using quadrats in the same way ecologists do when sampling, and taking data from scientific investigations before using the data to construct lines graphs to notice trends.

Science: This week, children will identify what is meant by the term evolution and study the theories of evolution constructed by Charles Darwin and Alfred Wallace.

History/Geography: Children will learn about the natural landscape of Australia including the Great Barrier Reef, Uluru and the Twelve Apostles. They will understand how physical processes worked to form these natural landmarks.

Computing: Children will learn that sexting is illegal and can affect current and future relationships and prospects.

Music: Children will learn the song 'In Flanders Field', developing the skills to sing in simple harmony with another part.

Art / Design Technology: Children will recap their learning of the style of artist William Morris.

PDW / R.E: Children will build on their SRE learning from last week to understand that sexual abuse can happen and the impact this can have. They will discuss how to speak out and seek help and find out about agencies through which anyone subject to abuse can gain support.

P.E: This week's athletics sessions will continue to focus on sprinting. Children will revise correct sprinting techniques before evaluating a partner's technique. They will also watch a video of themselves sprinting and suggest ways to improve it. Using this knowledge, they will then take part in relay races.

MFL: Children will learn about the different continents in French.



Key Question Week 9: Who was Winston Churchill?

Key Text for Linked Learning: We Shall Fight on the Beaches - Winston Churchill

Linked Learning: History

Children will continue their study of World War Two this week, by researching Winston Churchill, drawing on both primary and secondary sources to strengthen their understanding. They will complete an in-depth study into Churchill's involvement in the Battle of Britain. They will identify, evaluate and use sources of information critically to suggest why Britain was triumphant in this battle, including learning about the introduction of radar technology.

In English, children will focus on persuasive speeches by listening to Churchill's famous speech 'We Shall Fight on the Beaches'. They will identify persuasive features and emotive language used in the speech and discuss the effect this language had on Churchill's audience. The children will then use what they have learned to generate their own persuasive phrases and write their own version of the famous speech to perform to the class.

Maths: Maths learning this week will begin by exploring tessellation, before moving on to other shape patterns. Children will need to apply their knowledge of the properties of 2D shapes to be able to investigate patterns. The second half of the week will be focused on ratio, particularly how ratios are used in nature and art. Children will calculate ratios using given patterns and pictures.

Science: Continuing to study evolution, children will identify scientific evidence that has been used to support or refute ideas or arguments and identify how adaptation may lead to evolution.

Geography: Children will continue their study of three Australian natural landmarks by investigating how both human and physical influences have interacted to affect these landmarks; including the effects of human waste on the Great Barrier Reef and weather erosions on the twelve apostles.

Computing: Children will learn to recognise radical thinking streams online and understand the harmful impact of these.

Music: Children will work in groups to produce their own performance of a Year 6 song. They will consider harmony and effect and evaluate their own and others' performances.

Art / Design Technology: Children will recap counter change and half drop patterns from our pre-Raphaelite artist – William Morris.

PDW / R.E: Children will apply their learning about the Holocaust to understand that radicalisation is when a person tries to impose their extreme views and begin to recognise signs of radicalisation and begin to identify modern situations where this may take place.

P.E: Children will learn the correct shot putt technique and practise throwing it as far as possible. They will also evaluate their own and their partner's technique.

MFL: Children will learn the names of animals from all around the globe in French, focusing on Australian and rainforest animals.



Key Question Week 10: What is life like on the other side of the world?

Key Text for Linked Learning: Eyewitness Travel Guides: Australia – Dorling Kindersley

Linked Learning: Geography

In English, children will identify the features of a variety of travel guides and evaluate the effectiveness of the authors' language choices, considering their impact on the reader. Following this, they will create an ideas mat of what to include in their own travel guide, using this to inform a detailed plan. They will apply their Geography learning from this and previous weeks to plan the content of their travel guide and how to present this effectively to the reader.

In Geography, children will explore Australia's human geography by creating a map and key showing the population distribution. Children will learn that the areas of most dense population (urban areas) are in coastal regions and explore the reasons behind this, ready to include in their writing next week.

Maths: This week, children will use their knowledge of relationships between numbers, combined with their investigative skills, to study patterns that emerge when using a calculator. They will begin by exploring fractions that create recurring decimals, before identifying those numbers that give rounding errors. Following this, they will learn how to use the memory function and identify how this can be useful when solving multi-step calculations, particularly when shopping.

Science: By studying fossil records, children will identify scientific evidence that has been used to support or refute the theory of evolution. They will also recognise that living things have changed over time and understand how fossils provide information about living things that inhabited the Earth millions of years ago.

Geography: Linked learning

Computing: Children will learn to understand the importance of free speech but also discuss how hateful content online impacts on them and their friends.

Music: Children will learn about music from different cultures with a focus on aboriginal instruments.

Art / Design Technology: Children will explore the patterns and meanings in Aboriginal art.

PDW / R.E: Children will describe the consequences and effect of exploitation on themselves and others, including the types and consequences of trafficking.

P.E: This week, PE learning focuses around hurdling. Children will learn how to develop a stride rhythm by identifying a lead leg. They will then practise this by jumping over small hurdles then applying their skills to larger hurdles.

MFL: Children will recall the names of animals and be able to place them in their indigenous countries.



Key Question Week 11: What is life like on the other side of the world?

Key Text for Linked Learning: Eyewitness Travel Guides: Australia – Dorling Kindersley

Linked Learning: Geography

English learning this week will move from Reading to Writing, where children will write their travel guide to Australia, drawing upon their Geography learning from previous weeks. When writing, children will apply the features they identified last week, focusing on choosing language effectively to use bias to convince their reader to visit Australia, in addition to using a variety of sentence structures appropriately. Once their first draft has been written, children will self-evaluate their writing before editing it to create a final piece.

In Geography, children will revisit previous learning about the Amazon Rainforest to compare and contrast it to Australia, with a particular focus on the climates of the two regions and the impacts that both human and physical geography has had on the areas over time. Children will then apply this knowledge to their travel guide.

Maths: Using their investigative skills, children will solve a variety of problems, identifying the strategies that are best suited to each problem. These will involve Sudoku-like squares involving arranging items (such as colours or numbers) to produce a particular outcome and the numbers of shapes that can be made by adding to successive layers to diagrams. Children will also investigate number patterns using their knowledge of multiplication and division facts.

Science: Continuing to study scientific evidence that has been used to support or refute ideas of evolution, children will recognise how living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago, with a particular focus on how humans have changed over time.

Geography: Linked learning

Computing: Children will take part in activities to gain a deeper understanding of the impact of sharing online, including sharing personal information and photographs, with a focus on identifying and discussing the consequences of different types of online exploitation.

Music: Children will learn about folk songs and the story of Waltzing Matilda.

Art / Design Technology: Children will combine their skills in counter change and half drop patterns with their knowledge of Aboriginal design to create a pattern which captures the ideas and feelings in Waltzing Matilda.

PDW / R.E: Children will identify and understand the difference between being passive, assertive and aggressive.

P.E: In athletics this week, children will apply the skills they have learnt so far to the long jump. They will learn the correct techniques to hold their bodies in the run-up, before identifying the most appropriate position to jump in.

MFL: The children will look at a letter of introduction in French and write one to their new French teacher at secondary school.



Key Question Week 12: Jam Tarts

Key Text for Linked Learning: The Usborne Children’s Book of Baking

Linked Learning: Geography

This week, children will focus on Food Technology. They will learn how food components are processed into ingredients that can be used in cooking through following a pastry recipe in preparation for making jam tarts. They will develop an understanding of basic pastry making by working independently to follow a recipe.

In English, children will be reading and comparing instructions texts, including those written by themselves in September for making Victoria sponge, making comparisons within and across texts. In Writing, children will apply the range of features they have learnt across the year, including relative pronouns, adverbs and modal verbs in addition to the uses of colons and semi-colons, to create their own instructional text for making jam tarts. They will be able to compare their instructional text with the instructions they wrote in September, allowing them to self-assess their writing skills and discuss their improvement across the year.

Maths: The final week of the Summer Term will see children competing against each other in a variety of quizzes, revising their knowledge of the Maths content taught in Year 6.

Science: To complete the topic of evolution and inheritance, children will study cross-breeding. They will examine the advantages and disadvantages of specific adaptations (for example, selective breeding of animals) and the role of human intervention in the process of evolution.

History / Geography: Children will study the effects of climate change as a human factor in the changing landscape of Australia, including the 2020 forest fires and their impact, and how long term changes in temperature can be attributed to climate change.

Computing: Children will use media and mapping to document a trip around Australia or geographical information about the country.

Music: Children will learn the simple song, ‘Food Glorious Food’ to continue their practice of singing in simple two-part harmony.

Art / Design Technology: Linked learning

PDW / R.E: Children will use their final PDW lesson to reflect on their time at primary school and the key values they have learned to take forward to secondary school and beyond.

P.E: The final PE lessons of the Summer Term will focus around javelin-throwing. A primary focus for these sessions is safety and children will learn important rules first. Moving on, they will identify the most appropriate position to hold their throwing arm in and how to position their feet correctly.

MFL: Children will edit and write a final draft of their letter of introduction for their new French teacher.