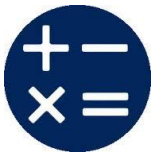
Year 6

Welcome back to a new academic year at The Duke of Bedford! We hope you had a relaxing and joyful Christmas break and cannot wait to get going with another busy and exciting term in school. Below is a short description of the learning that will be taking place across the curriculum for the duration of the Spring term in your child's class. Please remember to check updates on Seesaw where weekly Learning Links will be shared as well as other updates about things happening in our class. As always, should you wish to discuss anything at all, please do not hesitate to come and speak to us.

Yours sincerely,
Miss Markham

Year 6 PE days
Monday/Friday
Send your child's PE kit into school and they can keep it on their peg.
Please ensure that all jewellery is removed for PE days.

Subject	Term 1	Term 2
PSHE 	**Healthy and Safer Lifestyles - Digital Lifestyles** During this unit we will explore: How might my use of technology change as I get older, How does my own and others' online identity affect my decisions about communicating online? How might people with similar likes & interests get together online? The difference between "liking" and "trusting" someone online? What does it mean to show respect online, and how could my feelings, and those of others, be affected by online content or contact? When looking at online content, what is the difference between opinions, beliefs and facts? Why is it important to ration the time we spend using technology and/or online? How might the things I see and do online affect how I feel and how healthy I am, and how can I get support when I need it? Why are social media, some computer games, online gaming and TV/films age restricted and how does peer influence play a part in my decision making?	**Healthy and Safer Lifestyles - Drug Education** What medical & legal drugs do I know about, and what are their effects? Who uses and misuses legal drugs? Why do some people need medicine and who prescribes it? What are immunisations and have I had any? What are the safety rules for storing medicine and other risky substances? What should I do if I find something risky, like a syringe? What do I understand about how friends and the media persuade and influence me? **Healthy and Safer Lifestyles - Digital Lifestyles** Online relationships.
English 	**The Origin of the Species** During this unit we will be writing our own discovery narrative based on the real-life event of Charles Darwin's Voyage. In our second piece of writing, we will build on the knowledge we have learned about Darwin's discoveries by researching how Penguins have adapted to their environment. The children will use features of a non-fiction text in an	**Wolves** During this unit the children will be using two books as a stimulus for writing in different genres. Both books are based on wolves - 'The Wolves in the Walls' by Neil Gaiman and 'The ways of the wolf' by Smriti Prasadam-Halls. The children will use a range of writing skills and features to produce a First Person Description, Suspense Narrative, Balanced Argument and Information text.

	explanation of how animals have evolved over time.	
Class Book	**The Final Year by Matt Goodfellow** **Cogheart by Peter Bunzl**	
Maths 	**Ratio** * solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts * solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison * solve problems involving similar shapes where the scale factor is known or can be found * solve problems involving unequal sharing and grouping using knowledge of fractions and multiples * *recognise proportionality in contexts when the relations between quantities are in the same ratio (for example, similar shapes and recipes).* * *link percentages or 360° to calculating angles of pie charts.* * *consolidate their understanding of ratio by using the notation a:b to record their work* * *solve problems involving unequal quantities, for example, 'for every egg you need three spoonfuls of flour', 'of the class are boys'.* **Algebra** * use simple formulae * generate and describe linear number sequences * express missing number problems algebraically * find pairs of numbers that satisfy an equation with two unknowns * enumerate possibilities of combinations of two variables	**Area, Perimeter & Volume** * recognise that shapes with the same areas can have different perimeters * calculate the area of parallelograms and triangles * calculate, estimate and compare volume of cubes and cuboids using standard units, including cm^3 and m^3, and extending to mm^3 and km^3 **Statistics** Present and Interpret: * interpret and construct pie charts and line graphs and use these to solve problems Solve Problems: * calculate and interpret the mean as an average **Fractions, Decimals and Percentages** * recall and use equivalences between simple fractions, decimals and percentages, including in different contexts explore and make conjectures about converting a simple fraction to a decimal fraction (for example, 3 ÷ 8 = 0.375)
Science 	**Evolution and Inheritance** This term we will study Darwin's theory of evolution. We will learn that living things adapt over time to best suit the environments in which they live. We will discover the meaning of inheritance and that all living things have slightly different characteristics or variations. We will look at the theory of human evolution over time.	**Our bodies** This term we will discover that the human body is made up of skeletal muscular, circulatory and digestive systems. We will study the human heart and how blood travels through our bodies. We will also look at how diet, exercise and medicines can have positive and negative impacts on our bodies.
Computing 	**Programming – variables in games** This unit explores the concept of variables in programming through games in Scratch. First, learners find out what variables are and relate them to real-world examples of values that can be set and changed.	**Data and information - Introduction to Spreadsheets** This unit introduces the learners to spreadsheets. They will be supported in organising data into columns and rows to create their own data set. Learners will be taught the importance of formatting data to support calculations, while also being introduced to formulas and will begin to understand how they can be used to produce calculated data.

D&T 		In this unit of work the children will be working towards the design brief to Design, make and evaluate an alarm system (product) for keeping a chosen item or place safe (user) to recommend to consumers (purpose). The children will be investigating how to make a variety of different electrical switches using their scientific knowledge of electricity and their programming knowledge from previous computing lessons. The children will then design a security system to keep a chosen item or area safe and build working models to demonstrate how their systems would work once triggered.
Art 	**Print and Activism** In this unit children are introduced to the idea that they can use art as a way of sharing their passions and interests with their peers and community. We start by introducing pupils to artists who are activists, and then we go on to help pupils identify and voice the things they care about as individuals. The children will then use print techniques to produce a poster.	
Geography 		**South America** During this unit the children will learn about the location of South America and its key features, the location of South American countries and South East Brazil's trade links. We will explore the similarities and differences between Brazil and our own country, what daily life in Rio de Janeiro is like and what the advantages and disadvantages were for Brazil in hosting the Olympic Games.
History 	**Mayans** In this unit the children will learn about some of the key features of the Mayan civilisation and how they contrasts with British History.	
PE 	**Hockey** During this unit of work the children will master movements relevant to Hockey, participate in team games, developing simple tactics for attacking and defending.	**Tennis** During this unit of work the children will master basic movements including running, jumping, throwing and catching. Children will develop balance, agility and coordination.
RE 	**What does it mean to be a Christian?** During this unit we will look at the Christian values of forgiveness, love, peace and justice. We will explore how these affect the daily lives and choices of Christians.	**Journeys and pilgrimage** During this unit the children will learn what a pilgrimage is. They will find out aspects of pilgrimages in the Muslim, Christian, Sikh, Buddhist and Hindu religions and why they are an important aspect of each religion.
Music 	**A New Year Carol** All the learning is focused around one song from Benjamin Britten's Friday Afternoons: A New Year Carol.	**You've Got A Friend** During this unit the children will develop their performing, appraising, listening, composing and improvising skills though the theme piece – You've Got A Friend.
French 	**Do you have a pet?** During this unit pupils will learn the knowledge and skills needed to present both orally and in written form about the pets they have and/or do not have in French. They will move from 1st person singular to 3rd person singular verb	**What is the date?** Days of the week, months of the year and numbers 1-31 will be introduced, revised and consolidated so, by the end of this unit, pupils will have the knowledge and skills to say the date and when their birthday is in French.

	usage so they are able to say what the pet is called and use conjunctions more confidently.	