Year 7 : Term 5 Curriculum Plan

Subject	8th June	Mr Jackson 15th June	22nd June	29th June	6th July	13th July
Maths	**Mr Jackson & Mrs Wynn** **Adding and Subtracting Positive & Negative Numbers** We review adding and subtracting positive and negative numbers in this learning loop. It is essential to so many aspects of maths, some of which we will review later this term. **Multiplying and Dividing Positive & Negative Numbers** In this learning loop, we will look at multiplying and dividing positive and negative numbers. Again, you will see how important this in various topics we cover this term.	**Mr Jackson & Mrs Wynn** **Order of Operations** This learning loop will review order of operations. A common mistake made by students is to work out all calculations from left to right. Here we review the correct way to carry them out. **Order of Operations** Building on the previous learning loop, we practice more order of operations to help us prepare for substitution.	**Mr Jackson & Mrs Wynn** **Writing Expressions** Algebra is a fundamental part of mathematics. In this learning loop, we will first review how to form expressions from words so when we come across expressions later on, we will fully understand what they mean. **Substitution** In this learning loop, we will use our work on expressions and order of operations to substitute positive numbers into expressions.	**Mr Jackson & Mrs Wynn** **Substitution** We will build on our previous learning loop by substituting numbers into expressions with powers and roots. **Substitution** In this learning loop, we will combine our focus on negative numbers earlier this term with substitution.	**Mr Jackson & Mrs Wynn** **Collecting Like Terms** This learning loop will review collecting like terms, which is essential when we have to ensure our algebraic working is as simplified as possible. **Collecting Like Terms** This learning loop will extend our review on collecting like terms. We collect like terms in expressions involving powers.	**Mr Jackson & Mrs Wynn** **Expanding Single Brackets** In this learning loop, we will expand single brackets. This is a key algebraic topic that will be built upon in year 8 and 9 with expanding double and triple brackets. **Expanding Two Single Brackets** In the final learning loop of the term, we will combine our work on expanding single brackets and collecting like terms as we look to expand and simplify two single brackets.
	Mrs Van der Lith **Adding and Subtracting Positive & Negative Numbers** We review adding and subtracting positive and negative numbers in this learning loop. It is essential to so many aspects of maths, some of which we will review later this term. **Multiplying and Dividing Positive & Negative Numbers** In this learning loop, we will look at multiplying and dividing positive and negative numbers. Again, you will see how important this in various topics we cover this term.	**Mrs Van der Lith** **Order of Operations** This learning loop will review order of operations. A common mistake made by students is to work out all calculations from left to right. Here we review the correct way to carry them out. **Order of Operations** Building on the previous learning loop, we practice more order of operations to help us prepare for substitution.	**Mrs Van der Lith** **Writing Expressions** Algebra is a fundamental part of mathematics. In this learning loop, we will first review how to form expressions from words so when we come across expressions later on, we will fully understand what they mean. **Writing Expressions** This learning loop will build on the previous one, looking at writing algebraic expressions in context.	**Mrs Van der Lith** **Substitution** In this learning loop, we will use our work on expressions and order of operations to substitute positive and negative numbers into expressions. **Substitution** Earlier this year we covered fractions in depth. In this learning loop, you will review substitution of fractions into expressions.	**Mrs Van der Lith** **Collecting Like Terms** This learning loop will review collecting like terms, which is essential when we have to ensure our algebraic working is as simplified as possible. **Expanding Single Brackets** In this learning loop, we review expanding single brackets. This will combine our work on collecting like terms and arithmetic with positive and negative numbers.	**Mrs Van der Lith** **Expanding Double Brackets** In this learning loop, we will build on expanding single brackets and will expand two brackets. **Expanding Double Brackets** This learning loop will review expanding double brackets in more depth, looking at examples where there are negative numbers, which we covered in depth earlier this term.

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English	**Victorian literature: mystery and the short story** This lesson, we will introduce the conventions of the short story, detective fiction and mystery writing as we prepare to read the classic Sherlock Holmes story, The Adventure of the Speckled Band by Arthur Conan Doyle. **Reading for meaning: The Adventure of the Speckled Band** Today, get comfortable and enjoy our reading of a classic mystery story: The Adventure of the Speckled Band by Arthur Conan Doyle. This short story features a master of logic and deduction: the famous fictional detective, Sherlock Holmes. We will start to evaluate some of the conventions of the mystery genre in this story.	**The Speckled Band: Part 3:** This lesson, we will finish reading and begin to analyse the structure and language used in the short story, The Adventure of the Speckled Band. **Grammar for writing: commas and clauses: Literacy Lesson:** This lesson, we will cover some key rules about how to use commas correctly in different clauses.	**Structuring narrative writing:** This lesson, we will start to explore ideas related to narrative theory in preparation for writing a story. We will look at the idea of the seven basic plots and some common narrative structures so that we can begin to plan our writing effectively. **Using imagery in narrative writing:** This lesson, we will write the first draft of the narrative we planned last lesson. We will focus on using imagery in our writing to craft detailed and effective pieces of writing. We will think about how to develop each idea within the structure we have planned. You will need your planning and notes from last lesson.	**Editing and redrafting narrative writing:** This lesson, we will continue to develop our narrative writing skills and practise editing and redrafting our work, with a particular focus on developing narrative voice, creating cohesion and crafting our ideas and vocabulary for maximum impact. **Grammar for writing: Brackets and Dash: Literacy Lesson:** This lesson, we will be covering how to use brackets and dashes accurately - a very useful skill! You will need a pen and paper, as well as the story you wrote last lesson.	**Oliver Twist by Charles Dickens:** This lesson, we will meet Charles Dickens and the eponymous hero of his famous novel: Oliver Twist. We will continue to explore the conventions of Victorian Literature and extend our understanding of social context and how the writing reflects the debates and attitudes of the time **Oliver Twist: Analysis Practice** In this lesson, we will continue to analyse an extract from Oliver Twist, by Charles Dickens. Last lesson, we saw how afraid Oliver was when put in front of the workhouse Board. We will use our understanding of the extract to practise our language analysis skills.	**Grammar for writing: Semi-Colons: Literacy Lesson:** In this lesson, we will recap some of the basic rules of the semicolon and practise applying them. We will continue to think about the themes and ideas we have been discussing around Victorian literature, but you will also have the opportunity to master a really useful piece of punctuation; once you know how to use it, it will enhance your writing forever! **Crime in Victorian Literature: Oliver Twist:** This lesson, we will continue to develop our skills in comprehension, language analysis and reading for meaning. We will return to the world of Oliver Twist as he leaves the workhouse and begins a life on the streets, where he is recruited to the criminal gang of Fagin and the Artful Dodger.

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Science	**Biology Lesson: Food chains** In this lesson we are going to be looking at food chains and what they represent. We will include new key words such as predator and prey and annotate food chains ensure they contain all information required. **Chemistry Lesson: Chemical Changes** In this lesson we are going to understand how to recognise a chemical reaction is taking place. We will recap the observations needed to identify a chemical reaction and write word equations to represent these reactions. **Physics Lesson: Particle Theory** In this lesson we will took at how particles in solids, liquids and gases are arranged.	**Biology Lesson: adaptations** In this lesson we will look at the amazing adaptations that organisms have. These are features of their physical bodies or the way that they behave which allow them to succeed. **Chemistry Lesson: Physical & Chemical Changes** In this lesson we will look at the differences between a physical and chemical change and how we can tell what is taking place. We will look at specific things to look for to identify a chemical reaction vs a physical change. **Physics Lesson: State Changes** In this lessons we will look at how solids, liquids and gases change state.	**Biology Lesson: Interdependence** In this lesson you will learn about how food chains come together to make food webs and how all organisms are dependent on each other. Scientists call this interdependence. **Chemistry Lesson: Properties of Substances** In this lesson we will look at how to define different properties and to be able to describe a substances using the properties. **Physics Lesson: Density** In this lesson we will learn how to calculate density.	**Biology Lesson: Ecology** In this lesson we will put everything we have learned so far together to look at how food webs interact with changes in the physical habitat and environment which they are in. **Chemistry Lesson: Structure of the Earth** In this lesson will look at the structure of the Earth beneath our feet. We will look at how we know what the different layers are made out of and why we get volcano's. Get ready to imagine you're journeying to the centre of the Earth **Physics Lesson: Diffusion** In this lesson we will look at how particles move through the process of diffusion.	**Biology Lesson: Variation** In this lesson you will learn about why two organisms from the same species can look so different to each other. **Chemistry Lesson: Sedimentary Rock** In this lesson we will look at how sedimentary rocks are formed, the differences between these and igneous rocks, how they get warn away and what information they can tell us. **Working scientifically – Continuous and Categoric Data** In this lesson we will look at examples of continuous and categoric data.	**Biology Lesson: Natural selection** In this lesson we will look at how random mutations lead to a process of natural selection. Over a long period of time this natural selection (and other things) results in large variation between organisms - we call this evolution. **Chemistry Lesson: Climate Change** In this lesson will look at what is causing climate change. We will look at what greenhouses gas are, how they are produced and what humans need to do to help reduce climate change. **Physics Lesson: Working Scientifically – Variables** In this lesson we will look at independent, depended and control variable and how to identify them.
Spanish	**In a café** This week we will revise food and drink vocabulary and pronunciation rules in order to understand and participate in a dialogue in a café in Spain	**In a restaurant** This week we will learn how to book a table and how to order from the menu of the day in a restaurant.	**In a restaurant** This week we will revise how to book a table and how to order from the menu of the day in a restaurant. We will also learn how to ask for cutlery, salt etc. and how to ask for the bill.	**Accommodation** This week, we will learn how to understand a conversation between a hotel receptionist and a hotel guest. We will also learn how to ask the receptionist for something (is there a swimming pool? Is there Wifi?).	**Accommodation** This week, we will return to the conversation between a hotel receptionist and a hotel guest. We will also recap how to ask the receptionist for something (is there a swimming pool? Is there Wifi?).We will then write our own dialogue.	**Public transport** This week, we will learn how to understand a conversation in a train station. We will learn how to book a single and return ticket and go to different destinations in Spain. We will also learn how to understand train departure times
Geography	**Mapmaking:** In this lesson, you'll be learning all about mapmaking. We'll learn what a map is and how mapmaking and map use has evolved over time. We'll also be	**Locational Knowledge of the world:** In this lesson, you'll be learning how we can locate places in the world using lines of latitude and longitude. You will learn how the	**The Geographical Case – Map Projections:** In this lesson we will explore the term map projections and investigate the positives and	**What are OS maps?:** In this lesson we will begin to look at OS maps and map symbols. This is the start of a series of lessons aimed at	**What are Grid references?:** In this lesson we will learn how to locate specific areas on OS maps and practice the skill of reading four and six-figure grid references.	**Reading distances on a map:** In this lesson we will further develop our map skills by learning how to measure and calculate real-life distances on OS maps using scale.

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	looking at how technology has impacted on mapmaking and map use today.	world is divided into hemispheres and become familiar with the world's major oceans.	negatives of two different map projections.	developing the skills of using OS maps.		
History	**How did the feudal system help monarchs keep control?** The methods monarchs used to keep control of the population, including feudalism and how this was used. Make a decision about how successful feudalism was as a method of control.	**What made a medieval monarch a success or a failure?** Make comparisons between monarchs, sometimes across vast timespans.	**How could family disagreements affect a monarch's power and control?** Looking at specific medieval monarchs to examine the impact of disagreements with family on their power as monarch.	**How could sibling rivalry challenge the power of the monarch?** Developing idea of power to look at antagonistic relationships and how conflict transforms the power of monarchs.	**Why were peasants ready to revolt by 1381?** The Black Death and its impact on feudal relationships such as that of peasants and lords. The anger of the peasantry regarding the lords' treatment of them and a willingness to fight back.	**Was the Peasants' Revolt a success of a failure?** What were the consequences of refusing to pay tax and violently rising up against the king? How did Richard II crush the rebellion?
Art	**Understanding the basics of line, shape and tone.** In this lesson we are going to make sure we all understand the basics of line, shape and tone. We will practise 'weight of line' this means how dark it is or how hard we are pressing. We are going to focus on using basic shapes for our work. These basic shapes will be the basis for most if not all drawings we do. We will also add a variety of tones using shading techniques.	**Creating an abstract art work** In today's lesson we are going to use the skills we began developing last week to create an abstract art work.	**Drawing still life** In today's lesson we are going to use the skills we have been developing to begin drawing from still life.	**Drawing from still life** In today's lesson we are going to use the skills we have been developing to draw from still life.	**Approaches to drawing** In today's lesson we are going to explore different approaches to drawing.	**Artist Research - Henri Matisse** In today's lesson we are going to look at the work of Henri Matisse, which will inspire our future work
Computer Science	**Computational Thinking** Problem solving using decomposition techniques	**Computational Thinking** Identifying patterns in problems	**Computational Thinking** Solving problems through abstraction to simplify	**Computational Thinking** Creating flowcharts to solve problems	**Computational Thinking** Creating pseudocode to solve problems	**Computational Thinking** Performing linear and binary searches
Design Technology	**Creating a healthy plate of food** In this session we will learn about staying healthy through understanding different food groups and discuss how to create a 'balanced' meal.	**Can we re-use food?** In this session we will explore different uses for left-over food in the home.	**Reduce, reuse and Recycle** In this lesson we learn how to reduce, reuse and recycle.	**Design Technology - Anthropometrics and ergonomics** In this lesson we will understand how anthropometrics and ergonomics helps with designing a product.	**Design Skills** In this lesson you will learn the basics of design skills through CAD, freehand sketching and annotations.	**Mechanical Systems** In this lesson you will learn the basics of mechanical systems such as types of motions and cam mechanisms.

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RSCS	**What rights are we entitled to?** LO-How has Covid 19 affected our rights? In this lesson you will consider what rights means and the development of rights over time. You will annotate the needs of a baby, describing why they have these needs. You will discuss the UN and certain campaigns which led to the development of rights and consider while looking at a picture which rights are being denied and enjoyed.	**Difference is normal** **Disability awareness** In this lesson you will define what is meant by disability and match key terms You will consider how disabilities are caused and sort causes into correct headings. Finally you will create a fact file about one disability	**Difference is normal** **Living with a disability** LO- To learn about disabled role models and the challenges they face In this lesson you will consider who your role models are and discuss some that have a disability. You will look at real life scenarios and consider what you would do before looking at the definitions of prejudice and discrimination, finally completing a Do's and don'ts list.	**Managing money and budgeting** L)-To learn how people manage their money through budgeting In this lesson you will write doen definitions to do with money and match up the key terms. You will create a sentence showing what is meant by savings and ways to save, what expenditure and taxes are and how you would budget with £100	**Financial impact of the coronavirus** LO- What is the financial impact of the Covid 19 In this lesson you will match definitions with key terms and sort fact and fiction statements. Mind map possible impacts on the economy research and write a news report on the impact.	**Stress and wellbeing** LO- Learn how to recognise stress and maintain wellbeing In this lesson you will write your own definition and try to identify what makes you stressed. You will need to answer the questions about well-being and complete the sentence starters.
PE	**Circuit Training** To be able to describe circuit training and complete a circuit of their own Students will have a content recap of circuit training, followed by an active task and then a self - marking quiz	**Heart Rate** To understand the impact exercise has on a student's heart rate. Students will watch the PowerPoint, complete the activity and the assignment on teams.	**Fartlek** To be able to describe how to carry out a fartlek training session. Students watch to descriptive videos, complete workout and complete self-marking quiz.	**HIIT** To be able to describe what HIIT Training is and carry out a work out Students will have a content recap of HIIT training, followed by an active task and then a self - marking quiz	**Warm up and Cool down + Assignment** To be able to identify the importance of preparing for exercise. Students watch to descriptive videos, complete work out and complete self-marking quiz. Additional assignment worksheet.	**Pyramid Training** To be able to describe pyramid training and how it is used. Students will watch the PowerPoint, complete the activity and the self-marking quiz.