

Financial Literacy #3 - Buying a House - Which Home loan is best?

Mathematics: Number and Algebra MA3-1NA: Makes connections between whole numbers and index notation and the relationship between perfect squares and square roots. MA3-2NA: Orders and calculates with fractions, decimals, percentages, and ratios. MA3-3NA: Uses a range of mental strategies and concrete materials for multiplication and division. MA3-4NA: Models, compares, and represents commonly used fractions and decimals. Measurement and Geometry	Join us in guiding Mrs. Aisha Patel, an entrepreneur with dreams of becoming a real estate mogul, through the world of property investment. Aisha, 40, owns a successful chain of boutique coffee shops and earns \$150,000 a year. She's ready to invest her \$200,000 savings in real estate but is unsure where to start. Your task: Analyse different properties and investment strategies, considering market trends and potential for long-term growth. This exercise isn't just about numbers; it's about making ethical investment choices that align with Aisha's values and community impact. In your groups, you'll explore various aspects of real estate investing. At the week's end, we'll discuss your findings and strategies, providing Aisha with a well-rounded investment plan. Let's help Mrs. Patel navigate her real estate journey, learning valuable skills along the way!	Intro Video With Gavin Teacher Notes - This activity introduces students to real estate investment through the scenario of Mrs. Aisha Patel, a successful entrepreneur. It focuses on applying math skills in money management, forecasting, and calculating percentages. Teachers will guide students in analyzing Aisha's financial situation, exploring investment options, and evaluating their potential using mathematical forecasting. The goal is to develop students' financial literacy and critical thinking skills by making informed, ethical investment decisions based on real-world financial data.
MA3-9MG: Calculates the area and perimeter of rectangles and the volume and capacity of prisms and cylinders. MA3-10MG: Selects and uses the appropriate unit and device to measure lengths and distances, calculates perimeters, and converts between units of length. MA3-11MG: Measures, records, compares, and estimates areas, perimeters, and volumes.	Quote of the week - Leonhard Euler Each week, we will inspire you with a quote from a famous mathematician. Mathematicians are not just individuals who work with numbers and perform calculations; they are pioneers who have helped shape our modern world and the society we live in. Every week, we'll explore a different mathematician and learn about their contributions to the world as we know it. Read the words carefully and reflect on what the mathematician meant when they shared these famous words. You may even want to print this quote and place it on the wall in your classroom. There's 10 to collect. <i>'Mathematics is literally everywhere you look!'</i>	Teacher Notes - This weekly segment introduces students to influential mathematicians, encouraging contemplation of their contributions and the profound impact of mathematics on society. The activity of reflecting on and displaying their quotes aims to deepen students' comprehension and appreciation of mathematical thought and its real-world relevance. Ask the children to discuss the meaning in pairs or in groups and then discuss what all of the opinions of the class are. Maybe there is a student who has extra knowledge on the mathematician of the week.

Statistics and Probability MA3-18SP: Evaluates the appropriateness of different displays of data and justifies the choice for a particular set of data. MA3-19SP: Uses appropriate statistical methods to collect and graph data, and comments on the data's distribution. Working Mathematically MA3-1WM: Describes and represents mathematical situations using a variety of strategies. MA3-2WM: Selects and applies appropriate problem-solving strategies, including the use of digital technologies, in undertaking investigations. MA3-3WM: Gives a valid reason for supporting one possible solution over another.	Weekly Keywords These words will help you during this week's lesson. You may already know some of these words however practice makes perfect! First, read the words and then try to define them as simply as possible. Work with a partner or in a group to decide what each of these terms means. An example has been completed for you. You can write these into your books, and draw a picture to match or simply complete the task card.	Keyword task Card Teacher Notes – Introduce the spelling word list and choose from this list of tasks that can be repeated and expanded upon if necessary. Copy the words into a spelling list/Vocabulary book for later reference. Put each of the new words into a sentence and underline the new vocabulary in red pencil Place the words in alphabetical order in a list. Use a dictionary to define each of the words and place them into a vocabulary book. Try to represent each of the words using a picture or a symbol and play the guessing game. (which image is matched to which word) Write a paragraph containing all of the new vocabulary. Make a vocabulary wall containing all of the new words. Use a thesaurus to find synonyms for the words and create a synonym list.
Financial Mathematics: Understanding mortgages, interest rates, and budgeting. Outcome (MA3-3WM): Uses mathematical techniques to solve problems, including money and financial matters. Measurement and Geometry: Understanding the size of a house, area measurements, etc. Outcome (MA3-11MG): Measures, records, compares and estimates areas, perimeters and	The Situation – Buying Real Estate Step into the world of Mrs. Aisha Patel, an aspiring real estate mogul. Take soem time to read and understand the story and team up with your peers to guide Aisha through the complexities of property investments. Remember, real estate isn't just about buying and selling; it's about understanding market trends, rental yields, and long-term capital appreciation. After your discussions, we'll convene to share our findings. Read all of the information on the task card opposite and make soem notes. Then after doing some analysis and discussing, we'll hear from Dan Lakis about how he would tackle the problem.	Teacher Notes -In this activity, students assist Mrs. Aisha Patel in navigating real estate investment. Teachers will guide them to analyse property market trends, rental yields, and long-term capital growth. Students will learn to forecast future market scenarios and calculate accumulated costs, preparing them to make informed decisions. The exercise develops analytical skills and financial literacy, focusing on strategic planning and long-term financial implications. This real-world application encourages students to think critically about investing and economic forecasting.

volumes. Human Society and Its Environment (HSIE): Personal and Social Capability: Making informed financial decisions, understanding the impact of financial decisions on personal and family life. Outcome (HT3-5): Applies a variety of skills of historical inquiry and communication. Economics and Business: Basics of economics, understanding housing markets, the role of taxes, and savings. Outcome (HT3-4): Describes and explains effects of British colonisation in Australia. English: Comprehension and Collaboration: Discussing and evaluating various options, reading and understanding financial documents. Outcome (EN3-1A): Communicates effectively for a variety of audiences and purposes using increasingly challenging topics, ideas, issues and language forms and features. Cross-curricular Themes: Critical and Creative Thinking: Evaluating mortgage options, problem-solving. Numeracy: Applying mathematical knowledge to	Before you Can start to solve the problem let's hear from Dan Lakis on how he would tackle the situation. Finding The Facts Before you decide on this week's story, make sure you have all the important facts. Sometimes, important numbers and info are tucked away in the story. Work together to finish the worksheet by reading the questions carefully and figuring out the answers for each. These numbers will really help you make a choice in the next step of our class. Your Weekly Example – Buying the Suburban House Take a look at our example where we've calculated what it might look like for Aisha if she were to buy the suburban house. Once you've understood our calculations, it's time for you to use the same formula to work out the other two options and decide which one might be the best choice for Aisha to invest in. Remember, even though some of the options may promise a higher return, they might not be as popular all year round. Make up your Mind – Rubric and Discussion To decide, you must consider all aspects. Numbers provide some guidance for big decisions, but there are many other factors to think about.	Teacher notes – This activity involves students tackling progressively challenging questions, allowing for differentiation by outcome. As they engage with the questions, varying levels of complexity cater to diverse skill sets, encouraging each student to reach their individual potential while collaboratively exploring the subject matter. Teacher notes –Each week, your class will focus on a new subject and a fresh financial scenario. But before they tackle the challenge, we'll walk through an example together to help you understand how to calculate which option may be best. Read the information provided, make sure the children understand how the calculations were made, and then encourage them to use the same strategies to work out the problem for themselves. Teacher Notes – During this lesson, children will learn decision-making through a rubric, scoring factors on a scale of 1-5. They'll evaluate different aspects, including ethics, to understand the balance between numerical analysis and
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real-life scenarios. Ethical Understanding: Considering the ethical implications of financial decisions.	Review the rubric provided and evaluate each bank based on the criteria, scoring them from 1-5, with 1 being the worst and 5 the best. Add up the scores at the end of the rubric. However, before finalising your decision, think about the ethical impact and how it affects the community.	moral considerations. This exercise aims to develop their ability to make informed choices, considering both tangible data and ethical implications, thus enhancing their critical thinking and ethical reasoning skills in a practical, engaging way.
	Real World Learning – Sell a House to Your Class This week, we're diving into a fun and creative activity where you'll work in pairs to craft a page for a real estate magazine. Your task is to design a page that persuasively advertises a house for sale. Here are the features your design must include: • Price of the House: Clearly list the selling price. • Photos: Include attractive photos of the house – think about what rooms or features to showcase. • House Details: Write a brief description of the house. This should include the number of bedrooms and bathrooms, size, and any special features like a garden or a pool. Location Benefits: Highlight the benefits of the house's location, like nearby schools, parks, or shopping areas. • Contact Information: Add a section for potential buyers to contact the seller. • Unique Selling Point: Think about what makes this house special. Is it the design, the history, the neighborhood? Make sure to emphasise this in your ad. After completing your pages, we'll display them in the classroom. Everyone will vote on which house they would like to buy and explain their reasons. At the end of the lesson, we'll discuss what made certain houses more appealing. Was it the way they were presented, the price, or the features? This is a great opportunity to understand the art of persuasion and the factors that influence people's decisions in real estate. Plus, it's a chance to work on your teamwork, creativity, and presentation skills!	Teacher notes – In this activity, students pair up to create a real estate magazine page, promoting a house for sale. They must include price, photos, and enticing details, focusing on creativity in graphic design and persuasive writing. This task encourages the use of persuasive devices to attract potential buyers. It's a dynamic way to integrate art, marketing, and language skills, fostering students' creativity and understanding of effective communication and design principles in a real-world context.

	Guided Writing – Writing A Persuasive Text Now that you’ve had a go at the power of persuasion, it’s time to put your skills into action in a fun and meaningful way! This time, you’ll be writing a persuasive letter to your parents. Your goal? Convince them to take you to one of your favourite places in the world! It might be the zoo, a peaceful forest, a hike in the mountains, a splash in a waterfall, or any place you absolutely love. Think carefully about why they should take you there. What makes this place so special? How will it make you feel? What will you learn or experience? Use all the persuasive tools we’ve talked about – strong reasons, emotional language, and a clear structure – to make your case! Once your letter is finished, you’ll have the chance to read it aloud and see if your words are powerful enough to make your parents say “yes!” Let’s get writing and see just how persuasive you can be!	Teacher notes – In this activity, students will write a persuasive letter to their parents, convincing them to take them to one of their favourite places – such as the zoo, a forest, or a waterfall. Using the structure and techniques from a previous example, they’ll practise presenting strong arguments, emotional appeal, and clear reasoning. This task builds persuasive writing skills in a real-world context and encourages students to express their passions in a creative and meaningful way.
	Weekly Inspiration – How Tall Can a Piece of Paper Be? After exploring percentage growth this week, we’re going to finish our learning sequence with an amazing story that will truly bend your brain! Listen to the video opposite and discover how something as simple as folding a piece of paper can grow into something <i>bigger than the moon!</i> This is the power of exponential growth – where numbers double and double again, getting HUGE in just a few steps. As you listen to the Story of the Magical Folding Paper, think about how you could use this idea in your own life	Teacher notes –This week’s culmination is a fascinating story that illustrates exponential growth, building on the students’ understanding of percentages. Students will watch a video about the magical folding paper, revealing how something as small as a single sheet can grow to unimaginable heights through repeated doubling. It’s a practical and engaging way to help students grasp the power of exponential growth and explore how this concept appears in real-life situations – from maths and science to savings and technology.

	– in savings, in learning, or in changing the world one step at a time!	
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