

Year 9 Maths Lesson Plan Week 6 – Teaching Plan		
Date: 2/3/26 – 6/3/26	Topics: Income / Algebra	Lessons 4
Prior to Lesson - Students line up outside classroom - While students are still outside, select 1 or 2 to hand out the books - Give any other instructions about seating or other equipment they will need (eg calculators) - When they are settled and ready, let them in. Content Descriptors covered - AC9M9A02 (simplify expressions), AC9M9A01 (exponents) Learning Intentions - To consolidate learning of interest rates - To review the conventions and language of algebra Success Criteria - I can simplify algebraic expressions using multiplication or division or both - I can collect like terms to simplify an expression End of Lesson - Students pack away any pencils, erasers, rulers etc in the correct place. - Books in correct drawer - Calculators away - Chairs pushed in and floor tidy Notes: - Students not working on Level 9 Maths Mates: Blake (7). Thomas (8) , Ruby T (8) - Thomas does work directly on his laptop using a stylus, not in his book. - Blake is working from the Year 7 book on Cambridge GO. He is working on Ex 2D Prime numbers.		

Day:	Topic	Activity	Resources
Monday L1	Maths Mates: Interest rates	- Students that have already handed up this week's sheet will need to get them from the drawer. - All students swap sheets and mark them as teacher call out the answers. - After marking, students place sheets in their display book and return display books to the front of the classroom - Hand out sheet 4. Due date is 9/3/26 - Students should be working on Ex 1K. $I = Prt/100$ where I = interest, P = principal, r = rate, t = time (the time period may need to be converted to years)	- Maths Mate answer sheet Term 1, sheet 3 - Maths Mate Term 1, Sheet 4 - Cambridge Essentials Ex 1K (Page 68) or Cambridge GO. - Worked solutions are available on Cambridge GO
Monday L2	Interest rates	- Finish Exercise 1K - Early finishers should do the IK Scorcher on Cambridge GO	- Exercise 1K (Cambridge GO) or - Cambridge Essentials page 66

Tuesday L5	Reviewing Algebraic expressions Prior Knowledge Pre-test	- Students are to do the prior knowledge quiz assigned to them on Cambridge GO. It will take them most of the lesson - Students need to click submit when they are done. - Remind them that this is to see what they remember from last year. If they aren't sure about a question, move on. This test is so I can plan their lessons - Early finishers can do a sudoku or play magnetic chess	- Work is assigned to students on Cambridge GO. - Students look in their notifications
Thursday L4	Lesson starter: Notation Linkup sheet. Simplifying Algebraic expressions	- Students to do the lesson starter. Time allowed – 5 minutes. - Match the equal expressions - Students swap sheets for marking. - Show the answers on the whiteboard and read them out - Get students to indicate how they went - Collect sheets - Write definitions on board for student to copy into their exercise books <u>Pronumeral</u> (sometimes called a variable): is a letter or symbol that represents a number. <u>Like terms</u>: have the same pronumeral and power. Can be added or subtracted to form a single term (eg $4a + 6a = 10a$) <u>Unlike terms</u>: do not have the same pronumeral and cannot be contracted (eg $4b + 4b^2 = 4b + 4b^2$) - Memo Book: Example 4 pg 104 - When <u>multiplying</u> algebraic terms remember to multiply numbers first then the pronumerals in alphabetical order. - I do: Do the examples on the board explaining what you are doing - We do: Do the examples on the board, asking for input from students - You do: Students do the NYT questions from Example 4 (put on whiteboard) - Memo book Example 5 pg 105 - When <u>dividing</u> algebraic terms remember to write as a fraction first, cancel any numbers or pronumerals then re-write. - I do: Do the examples on the board explaining what you are doing - We do: Do the examples on the board, asking for input from students - You do: Students do the NYT questions from Example 5 (put on whiteboard) - Exercise book: Ex 2B Questions 1 – 5 (questions according to group.)	- Notation link up sheet - Thumbs up / down - Exercise 2B (Cambridge GO) or - Cambridge Essentials page 103 – 105 - I do examples $3 \times 2b$ $-2a \times 3ab$ - We do examples: $2 \times 8b$ $3 \times -5p$ $5mn \times -3n$ - I do examples $6ab \div 18ab^2$ $12a^2b \div 3ab$ - We do examples: $-2a \div 6$ $3mn \div 6n$ $-3xy \div yx$ - S: Q1 – 4, MB: Q1 – 5, F: Q 2 – 5
Friday L5	Sports day	No lessons	