

INVESTIGATION AIM (3 MARKS)		Max mark	Mark awarded
Clearly explain what you are trying to find out, why you chose this topic, and why it is important to you.	I clearly say what my investigation is about	1	
	I explain how I went about my investigation	1	
	Explain why I chose this topic and why it matters	1	
METHODOLOGY AND MATHEMATICAL THINKING (6 MARKS)			
Create a list of mathematics and mathematical strategies that you used to complete your investigation. Which strategies did you try that worked or did not work?	I list all the maths strategies I used (like graphs, calculations, patterns, formulas)	2	
	I explain how I used each maths strategy	2	
	I used more than one maths strategy	2	
MATHEMATICAL NOTATION (5 MARKS)			
Use mathematical language and mathematical symbols properly and clearly. Make sure that the maths you use is something that you understand and can explain. When you are using symbols and showing your calculations, they should be able to be followed like a story with a beginning, middle and end.	I use the correct mathematical words	1	
	I use some more advanced maths language	1	
	I use maths symbols, representations and formulas correctly	1	
	My calculations are correct and make sense	2	
MATHEMATICAL TOOLS (3 MARKS)			
Think about what mathematical tools you will need for your investigation and make sure you explain them. e.g. Graphs, tables, annotated images, digital tools, spreadsheets, concrete materials (blocks, counters etc), calculators etc.	I use maths tools correctly	1	
	I choose the best tool for the job	1	
	I use the tool (or tools) in a clever or advanced way	1	
SUBTOTAL		17	

REAL WORLD CONNECTIONS (3 MARKS)		Max mark	Mark awarded
Explain why this investigation is important to you and what it means for the real world. How does it connect to real life? Explain any insights that your investigation gives into the real-world problem.	I explain how my investigation links to the real world	1	
	I explain why this maths is important in real life	1	
	I explain how this maths could be useful in the future	1	
ANALYSIS (6 MARKS)			
Was your investigation aim achieved? Yes/No? Explain why it was or was not achieved. Write a paragraph explaining what you found throughout the investigation and what your answer means for you.	I clearly explain what my results show	3	
	I notice a pattern or can make a general rule	2	
	I answer the original investigation question	1	
REFLECTION ON LEARNING (3 MARKS)			
Explain what you learnt throughout the investigation process (it might include challenges and how you overcame them). Tell us how your learning has been enhanced through the MTQ process. Now that you know new information, what wonderings do you have?	I say what I learned	1	
	I explain how my maths skills improved	1	
	I explain how this learning will help me next time	1	
ACKNOWLEDGEMENTS AND REFERENCES (3 MARKS)			
This is a very important part! Make sure you list all the people that helped you, especially family and teachers. It's like saying 'thank you'. Be sure to include any websites or resource links that you used to help your project. If you used AI to help you, that's ok, but make sure you reference it. This shows honesty and good learning habits.	I thank people who helped me	1	
	I list books, websites, or AI tools I used	1	
	My list of sources is neat and organised	1	
EVIDENCE OF WORK (3 MARKS)			
Throughout your investigation be sure to take photos of the work you are doing or keep a record. A journal is a great way to do this. Then be sure to include photographs or rough notes and calculations of your workings throughout.	I include journal entries or notes	1	
	I show all my calculations	1	
	I include labelled photos, diagrams, or drawings	1	
SUBTOTAL		18	
SUBTOTAL FROM PAGE 1		17	
TOTAL		35	