

Project Timeline

In order to use math to help us to learn more about ourselves and our stories, we need to conduct investigations. To help us get started, we will all work on the first one at the same time. Then we will choose our own investigation and spend time planning, gathering data, organizing and interpreting that data. We will also conduct two exemplars investigations. These will help us see how we can use the skills that we are gaining to help us learn about different things.

You might also notice that we are going to be spending quarter of an hour a day revising. Revision is like practicing - but you try harder to remember it. There is a lot to learn in math, so we will do this in order to help us remember everything we have learnt so far.

Daily Schedule

DAY	Investigation/Activity					
Mon 5th Jan	Class investigation: what different types of stories did we write and how can we show this? (3 hours)	Subtraction strategies				
	Possible Habits of a Mathematician: ask questions; think about what you know and what makes sense; organize your thinking and recording; collaborate, debate and listen; communicate your findings	(adjusting and landing on ten)				
Tues 6th Jan	Choose your own investigation, gather data and make an action plan (2 hours)	Subtraction strategies				
	Possible Habits of a Mathematician: ask questions; think about what you know and what makes sense; organize your thinking and recording; collaborate, debate and listen	(partitioning)				
Wed 7th Jan	Begin your investigation (2 hours)	Factors				
	Possible Habits of a Mathematician: organize your thinking and recording; collaborate, debate and listen; challenge yourself: make mistakes and learn from them; be resilience - keep trying different strategies even when it gets tough					
Thurs 8th Jan	Finish your investigation and display your findings so that they are easy to interpret by creating graphs and charts (2 hours)					
	Possible Habits of a Mathematician: ask questions; communicate your findings.					
Fri 9th	Write conclusions and present your findings to the class (2 and 3/4 hours)	Square				
Jan	Possible Habits of a Mathematician: ask questions; communicate your findings.	numbers				
Mon 12th Jan	Independent/paired investigation: What is the most popular reading genre in our class? (3 hours)	Subtraction (stacking				
	ossible Habits of a Mathematician: ask questions; think about what you know and what makes sense; organize your thinking and recording; collaborate, debate and sten; communicate your findings					

Tues 13th Jan	Finishing details or extra challenges Possible Habits of a Mathematician: TBC	Expanding numbers	
Wed 14th Jan	Exemplars - Reading on a Tuesday night (1 ½ hours) Possible Habits of a Mathematician: ask questions; think about what you know and what makes sense; develop theories; organize your thinking and recording; communicate your findings	Prime/ Composite or Square?	
Thurs 15th Jan	Exemplars - Bean plants for Mother's Day (2 ¼ hours - including extra revision of feet and inches) Possible Habits of a Mathematician: ask questions; think about what you know and what makes sense; develop theories; organize your thinking and recording; communicate your findings	Multiplication (grid method)	
Fri 16th Jan	Math challenge party - celebrate the end of our first two weeks with a math party. There will be measurement, investigation, prime and square numbers on the computer, fractions and other challenges galore! (2 hours) Possible Habits of a Mathematician: collaborate, debate and listen	Subtraction (which strategy? You decide!)	

Note: times are based on Ms. Chown's best estimation only!

IMPORTANT NOTE: YOUR 30 BOOK CHALLENGE RECORD SHEETS MUST BE COMPLETE BY THE END OF THIS WEEK (9TH). WE WILL BE USING THE DATA IN OUR INVESTIGATION NEXT MONDAY (12TH).

Who Will I Work With?

For the first investigation (what different types of stories did we write?) you will work by yourselves, as a class and in a pair. The second investigation will either be in pairs or individually. However, there will be other people who are working on the same investigation as you, so you can go to them for help and critique. When we move onto the Exemplars, you will work by yourself, with a half partner, or in a group with Ms. Chown - depending on how confident you feel.

How Will We Share This Work So Others Can Learn From It?

We'll share it at our exhibition, later in January. When people come to our exhibition, they will be curious to know more about how we wrote the book. The results of your investigations will help them to learn more.

How Will We Make Sure that Our Work is of the Highest Quality?

After we have conducted our first investigation, we will create a checklist of what we need to include in a high quality investigation and conclusion.



Habits of a Mathematican Checklist

Datc	Date							

Activity			

Strong mathematicians	Checked
Ask questions	
Think about what you know and what makes sense	
Draw pictures and diagrams to help solve problems	
Look for patterns	
Organize your thinking and recording	
Develop theories, test them and then develop new theories	
Challenge yourself, make mistakes, learn from them	
Are resilient - keep trying different strategies, even when it gets tough	
Collaborate, debate, listen	
Communicate your findings	
Over the course of these two weeks, how have you grown as a ma	athematician?