

# Maths Talent Quest Investigations

## 100 Inspirational Titles

24 Dice	Main mode of transport to school
2KW's gumboot maths	Having a winning chance
A day with Grandpa	How big is a dinosaur?
A road trip around Australia	How can we celebrate 100 days of school?
All about apples	How fast is Usain Bolt?
Anika's inquiry into the most popular lunch order in Prep	How has the speed of the 100m sprint changed over 120 years?
Bees maths	How many books read in a week-children v adults
Can I be a sports star?	How many mountains reach space?
Can we use mathematics to help us understand the size of the solar system?	How many Rubik's cubes fit into the classroom?
Car spaces	How many squares on a chessboard
Catch it!!! A feasibility study for removing plastic waste from the world ocean	How much money does it cost to own a bakery and what are the appropriate prices compared to the supermarket?
Creating magic squares	How much money would it cost to build and run a successful taco truck for one year?
Disability education	How much sleep do I need?
Do different parachutes affect the speed with which an object falls	How much would it cost to live on the moon for one year?
Does the body respond differently to sugar being eaten in different ways	How wheel size affects the speed of the bike
Does your body affect your results in sport?	I don't want to be late for school anymore!
Doggy doughnuts	If a fidget spinner were a planet, how long would a year/month/day last, when compared to earth?
Domino topple time	Investigating the colours in boxes of smarties
Exploring the number 9	Investigating the golden ratio
Factors affecting running speed	Is hot dog day worth it?
Famous flying fox	Jetski's canteen
Farm gate to plate	Knot theory
Fibonacci numbers in nature	Let's have a party
Footsteps	Lucky charms and unlucky theories
Fruit salad	Having a Winning Chance

Guitar frequency	Lunch box maths
Mathematical murder mystery – a wonderful combination of literature and mathematics	The numbers of Uluru
Maths in windmills	The Rapunzel braid
Missing teeth	The show must go on! Can Prep PR save the circus?
Most popular after school activity	The value of bottle caps
Nerf dart analysis	The very hungry caterpillar
Nude food	The walkathon
Olympic world records, can they be beaten?	Toad maths
Olympics-the hidden statistics	Toilet flush
Paper planes	Travelling to high school
Pounding pulses	Uniform combinations
Raising a platypus for one year	Using measurement and coding to make a robot's path
Rubbish is everywhere	What are the effects on housing if the Australian population lived in Melbourne?
Shapes, patterns and tessellation	What are the patterns in multiplication?
Sharp shooter goal kicking accuracy	What fractals can be found in nature?
Show me the money	What is the average AFL player?
Sinking into submarines	What is the best D.I.Y homemade boat?
Slime jump	What is the math in taking a perfect selfie?
Sports articles in the newspaper	What maths can we find from reading The Very Hungry Caterpillar?
Tall towers	What will humans look like in 1,000 years?
The 4 little pigs	When an iceberg melts, how does it affect earth?
The algebra behind maths tricks	When the Preps went to the house of the bears
The average grade 5 and 6 shoe	Which petrol is more economical: 91, 95 or 98?
The block-playground edition	Who hurts themselves the most: first, second or third children?
The butterfly effect	The increase in the earth's temperature
The key to the perfect bottleflip	Feli's Fractal

# Brainstorming

Expanding Inspirational Title

