

As mathematicians we will be... consolidating our understanding of place value including ordering, comparing and rounding numbers to a million. We will then be perfecting our written methods for addition and subtraction as well as working on mental strategies for addition and subtraction. We will then move on to our first unit of multiplication and division which will focus on multiples and factors; prime, square and cube numbers; and multiplying and dividing by 10, 100 and 1000. Reasoning and problem-solving skills will be woven throughout. We will also be consolidating our times tables skills.

As scientists we will be... learning more about forces. We will find out about and investigate friction, air and water resistance, gravity and how to use a small force for greater effect (using gears, pulleys and levers). Working scientifically involves using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate. We will also plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary. We will identify scientific evidence that has been used to support or refute ideas or arguments.

As information technologists we will... begin with an important unit on online safety, including how to be responsible online and how to protect our privacy as well as understanding reliability of the information we find online and how to cite this in our own work. We will then begin a Purple Mash unit on Coding, which will build on skills taught in lower key stage two.

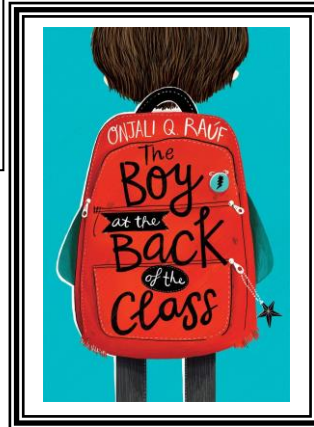
As health and well-being experts we will be... learning how to work as a TEAM (Together Everyone Achieves More), focusing on the positive qualities of a team, learning how to disagree respectfully and communicate effectively. It looks at the key qualities and skills needed for a team to be successful.

We will take part in sport and games activities as part of our PE lessons, developing our strength, stamina, speed, co-ordination, balance and agility. We will go swimming weekly and complete the daily mile three times a week.

As writers and communicators, we will be... learning about narrative and letter writing whilst studying the novel *The Boy at the Back of the Class* and using non-fiction texts, pictures and poetry to further explore the current events surrounding the migration and refugee topics raised in the book. As authors in the making, we will be developing our writing skills by continuing to hone our spelling, grammar and punctuation skills. There will also be a big focus on handwriting and presentation across all subjects. We will be developing our international communications in French lessons too, talking about our school and the subjects we study.

Year 5

**Autumn
Term 1**



As artists and design technologists we will be... exploring sculpture and 3D art. We will identify and compare features of art installations, investigate the effect of space and scale when creating 3D art, plan an installation that communicates an idea and then apply our knowledge of installation art, developing ideas into a finished piece.

As geographers we will be... learning about population, looking at global factors that make people move home, sometimes to another country. These involve 'push' factors such as natural disasters and war, as well as 'pull' factors such as job opportunities and food supply. We will explore these using maps, atlases, globes and digital/computer mapping.

As ethically minded citizens we will be... developing a better understanding of the current refugee crisis and how we can help those who need a safe place to live. We will be looking at special places and journeys and what this means for us and people around the world and different religions.

As musicians we will be... be following the Charanga Music School curriculum and celebrating a wide range of musical styles. We consider how music brings us together. The lessons support the key areas

KEY DATES (AUTUMN 1)

Tuesday 10th September 3:25: Welcome to Year 5 meeting for parents (with Mrs. Whitaker)
Wednesday 11th September, 9th October Parent coffee morning
w/c Monday September 16th: clubs start
Friday September 20th, October 4th, October 18th (2.45): Key Stage 2 Celebration Assembly (all welcome) Tuesday 24th September PTFA meeting
w/c Monday 14th October: Book Fair Tuesday 15th & Thursday 17th October: Parents' Evenings.
Friday 25th October: Break up for half term.