



St Antony's
Roman Catholic School

Aspire - Believe - Achieve

Curriculum Handbook



The year ahead...

The curriculum at St Antony's is made up of a variety of different subjects. On your timetable in September you will see the following lessons:

- ◆ English
- ◆ Maths
- ◆ Science
- ◆ Design Technology
- ◆ Physical Education
 - ◆ Art
 - ◆ French
 - ◆ Geography
 - ◆ History
- ◆ Computer Science
- ◆ Religious Education
 - ◆ Music

This booklet introduces you to the teachers in each of the departments, gives you some information about what you will learn during your first year with us and sets you some challenges to complete over the summer holidays.

If you have any questions, please continue to send them to:

Year6info@st-antony.s.com





Meet the Computer Science Department



Mr Fearn, Head of Computing

Favourite Computer Scientist : Alan Turing because of his impact during World War II which went unrecognised for over 50 years due to the secrecy of his operation. Alan Turing was an inventor who built a machine which would decipher German tactic messages which were being sent between the Germans during the war.

What you will study in Year 7...

- How to be confident using the school emails sending and receiving emails from each other.
 - How to use the internet safely.
- How to use Microsoft Word, PowerPoint and Microsoft Excel
 - How to program in Scratch



Your summer challenge:

Hour of code—LightBot

Spend some time learning how to code using the Lightbot. This can be done on either a computer or Mobile Device.

Click on this link and complete the activities in LightBot

<https://lightbot.com/hour-of-code.html>





Meet the Mathematics Department



Miss Gibson, Head of Mathematics

Favourite Mathematician: Fibonacci because of his discovery of sequences of numbers and how it all connects to nature and creates artistic patterns.



Mrs Mackenzie, Second in Department

Favourite Mathematician: Katherine Johnson 1918—2020 as she was responsible for calculating the trajectory for Project Mercury and the Apollo 11 flight to the moon. She was an African American woman who challenged the stereotypes which existed around her, she never gave up. She was resilient.



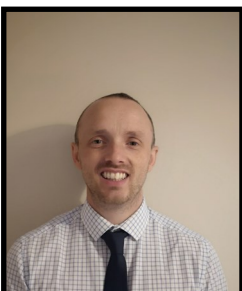
Miss Johnson, Maths teacher

Favourite Mathematician: Alan Turing because he helped develop theoretical computer science and algorithms; without him, computers wouldn't be as they are today!



Miss Denikiewicz, Maths Teacher

Favourite Mathematician: Benoit Mandelbrot because of his work on fractal geometry and computing mathematics. He wrote about the fractal geometry of nature, and was one of the first to use computer graphics to create and display fractal images.



Mr White, Maths Teacher

Favourite Mathematician: Euclid due to his contributions to geometry and the maths principles that he wrote in his book.

What you will study in Year 7...

Factors and
Multiples

3 red tiles to 4 blue tiles:



is... 3 : 4

Ratio

Percentages



$\frac{3}{4}$ ← Numerator
← Denominator

Fractions

Decimals

Rounding

Estimating

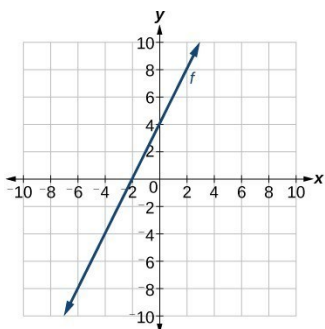
Equations

Sequences

Graphs

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Negatives



Problem
Solving



Your summer challenge:

Have a go at the Maths Quiz attached.
Bring your answers in to school with you
in September





Meet the Art, Design & Technology Department



Mr Reese, Head of Art, Design & Technology

Favourite Designer: Tom Dixon because he uses geometric shapes and patterns, combined with natural elements such as fire and air as inspiration for his homeware products. I love his use of metallic colours for his products and brightly coloured packaging.



Miss Mayall, Textiles Teacher

Favourite Designer: My current favourite is Bisa Butler the artist because she creates vibrant portraits in quilting and a range of fabrics and patterns.



Mrs Adderley, Resistant Materials & Engineering Design Teacher

Favourite Designer: James Dyson who is classed as an industrial designer, inventor and entrepreneur. I love that he thinks 'outside the box' and creates new innovative products using the most up to date technologies.



Mr S Reynard, Food Technology Teacher

Favourite Chef: Gordon Ramsey. Although I am not impressed by his use of colourful language on occasions, I am impressed by his passion for cooking and his ability to create amazing dishes.



Miss Nadeem, Art & Technology Technician

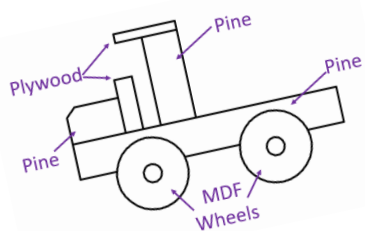
Favourite Designer: Mary Katrantzou because I love her bold prints and symmetrical patterns. She also uses colourful animals in her fabric such as birds and animal prints.



Mr Taylor, Art Teacher

Favourite Artist: Martin Parr because he photographs everyday landscapes, objects and people in a vivid way. Martin Parr uses bright coloured film to capture his images, this for me presents an image in a way that you don't usually think of or see.

What you will study in Year 7...



Resistant Materials: Use a range of tools to build a wooden vehicle



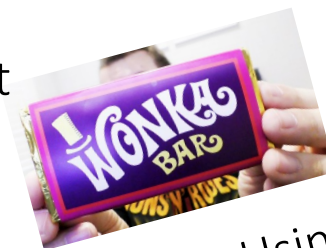
Textiles: How to tie dye and use a sewing machine



Art: Experimenting with equipment and learning key art skills



Food: A variety of skills including chopping vegetables, poultry & meat



Graphics: Using Photoshop to create your own snack bar packaging

Your summer challenge:

We would like you to design an isolation pod that could be used to live in during a pandemic such as the COVID-19 pandemic. You need to consider essential tasks such as washing and cooking, along with more creative ideas on what could keep you occupied in there such as a gaming or craft area etc. We would like you to submit your design during your first Art or Technology lesson in September. There will be a prize for the winning design, be creative, and good luck!



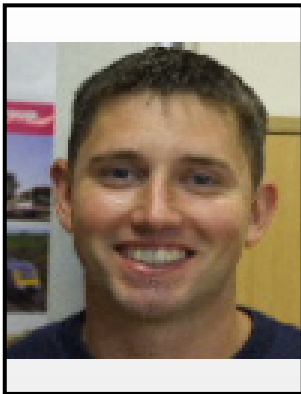


Meet the P.E Department



Mr Brownbill, Head of P.E

Inspiration: Ross Edgley who is an Extreme Athlete/ Adventurer/swimmer. He is the first and only person to swim the entire distance around Great Britain (he did this in 2018). This took 157 days, swimming for 12 hours a day and covered 1792 miles! An amazing achievement.



Mr Speake, Teacher of P.E & Assistant Headteacher

Inspiration: Jason Robinson. He changed his life around from negative to positive and then went on to win the Rugby World Cup with Great Britain in 2003.

Pep Guardiola - Dedication to detail ensuring no stones are unturned in the pursuit of greatness. Failing to prepare, is preparing to fail.



Mrs Doherty, Teacher of P.E

Inspiration: Dame Kelly Holmes, she inspires me because she started training when she was just 12 years old and was 34 when she achieved her dream of winning a gold medal at the Olympics! She is a perfect example of what being resilient is!



Mr Conway, Teacher of P.E

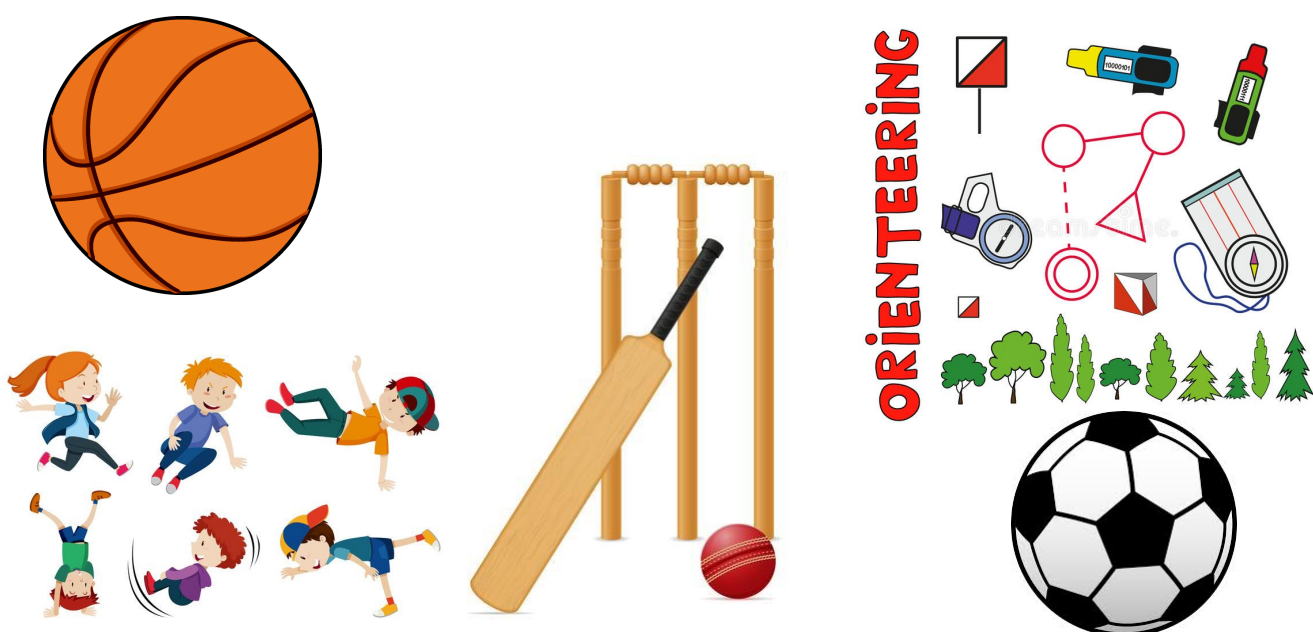
Inspiration: Football: Zinedine Zidane, Phenomenal work rate, incredible skill level and bit of a dude.

Rugby Union: Martin Johnson, led by example and inspired others to be better, never say die attitude.

Tennis: Roger Federer, cool, calm, winner and an all-round nice guy

What you will study in Year 7...

In Year 7 pupils will play and compete in a range of team and individual sports including Football, Basketball, Netball, Rugby, Dance, Gymnastics, Fitness, Orienteering, Cricket, and Athletics to name a few.



Your summer challenge:

I would like you to all download the free app 'Strava' (perhaps use a parents phone if you don't have one) and monitor the amount of exercise you complete on a weekly basis. You can track your run, cycle, walking or swim distances and compare yours against your friends. The aim for you is to complete at-least 4 sessions a week, either all the same activity or a mixture of activities. If you have a particular favourite route to run/cycle, monitor your times and see if you can complete your favourite route quicker each time as your fitness level improves.





Meet the Science Department



Mr Uglow, Head of Science

Favourite scientist: Michael Faraday (1791-1867) Faraday came from a working-class background, but was absolutely determined to educate himself. He taught himself science and went on to invent the first proper electric motor. Electric motors are absolutely everywhere in our modern world and we have Michael Faraday to thank for that. Faraday was excellent at science experiments and even better at getting other people to understand difficult scientific ideas by explaining them in a simple way. Albert Einstein was such a fan of Faraday that he kept a picture of him on the wall of his study!



Mr Parker-Smith, Science teacher and Head of Year 10

Favourite scientist: Charles Darwin (1809-1882) Darwin set out on HMS Beagle to sample the variety of living organisms at each of the ship's stops. This work led him to create the Theory of Evolution by Natural Selection which he describes in his 1859 book "On the Origin of Species". Publishing his ideas brought him much ridicule as many misinterpreted his writings to be suggesting that we evolved from apes. Despite his work not actually stating this, pictures are still found showing Darwin as half human and half ape. Darwin however had the courage and conviction to stand by his theory and now, with much more research having taken place using much more scientifically advanced processes, time has proven that Darwin's theory is correct. Darwin's discovery allows us to trace and explain the evolution of every organism on Earth all the way back to the time of the dinosaurs and beyond!



Dr Ingham, Science teacher

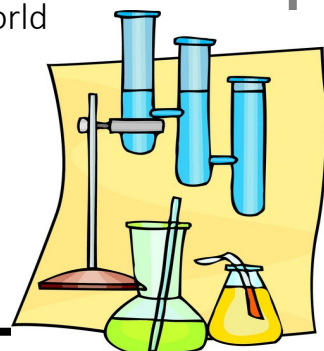
Favourite scientist: Ernest Rutherford (1807-1937) Ernest Rutherford was born in rural Spring Grove, on the South Island of New Zealand on August 30, 1871. Physicist Ernest Rutherford was the central figure in the study of radioactivity who led the exploration of nuclear physics. In 1907, took up a professorship at the University of Manchester (90 years later I studied Chemistry here!). Through further experimentation involving firing alpha particles at foil, Rutherford made the ground-breaking discovery that nearly the total mass of an atom is concentrated in a nucleus. In so doing, he gave birth to the nuclear model, a discovery that marked the inception of nuclear physics and ultimately paved the way to the invention of the atom bomb. Aptly dubbed the “Father of the Nuclear Age,” Rutherford received the Nobel Prize for Chemistry in 1908.



Mr Hunt, Science teacher

Favourite scientist: Jane Goodall (1934-present) Jane Goodall's love of animals began when she was gifted a toy chimpanzee by her father. She took to working on her friend's farm in Kenya at the early age of 23. Here, Jane started her career in studying primates and in 1960 Jane travelled to the Gombe Stream national park along with her mother. When Jane first started, women were not accepted in the field of Primatology (the study of primates), but it was down to encouragement from Jane towards many other young women that now has made it possible for more female scientists. Jane went on to become the first scientist to give the chimpanzees names instead of a number, including Fifi and Gigi.

She found that chimpanzees have strong social connections in their groups and observed them hugging and kissing each other! Now Jane Goodall has created numerous institutes and rehabilitation centres for the care of primates and to educate everyone about how important apes are in the world today.





Mrs Ingham, Science teacher

Favourite scientist: Marie Curie (1867 – 1934). Curie was involved in discovering the elements Radium and Polonium, and made numerous pioneering contributions to the study of radioactive elements. She was the first woman to receive the Nobel Prize and the first person to win the Nobel Prize twice! Curie is most famously known for her huge contributions to finding treatments for cancer.



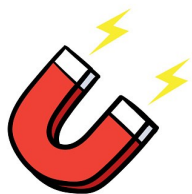
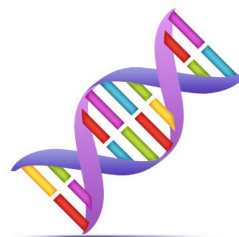
Miss Dale, Science technician

Favourite scientist: Helen Sharman (1963-present). Helen grew up in Sheffield and qualified from Sheffield University with a degree in chemistry. She then obtained a PhD from the University of London before getting a job working for Mars. She worked as a chemist to make their chocolate taste even nicer! Her career then took an unusual turn. She applied for a competition to become the first ever British person in space and she won! She launched into space on 18th May 1991 aged just 27. Whilst there she carried out various scientific experiments and spoke to British school children via a radio link. She continues to work to promote science to children to this day – well done Helen!

What you will study in Year 7...

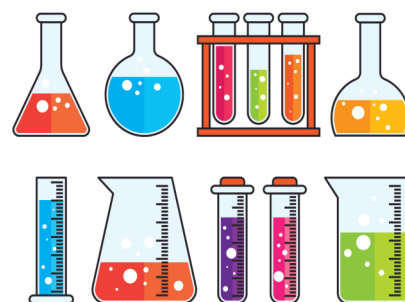
Biology

- How living things are made of cells, tissues and organs
- How animals reproduce
- All about food chains



Physics

- Energy and electricity
- Forces
- Sound



Chemistry

- How to separate different chemical mixtures
- Atom and elements
- Acids and alkalis

Your summer challenge:

We would like you to research the Covid-19 pandemic and produce a fact-file. Cover basic facts like what causes the disease? Where did it come from? How does it affect the human body? You could also include some diagrams to really bring your fact-file to life. If you are feeling very creative then you could always make a model of the virus that causes the disease! We would like you to submit your design during your first Science lesson in September. There will be a prize for the winning design, be creative, and good luck!





Meet the English Department



Miss C Lambert, Head of Department

Inspirational person: Maya Angelou – an all-round Phenomenal Woman. I loved reading her autobiographies in my late teens and then later discovered her poetry, one of my personal favourites being 'Still I Rise'. Like Michelle Obama (mentioned later by Mrs Holmes), she was really interested in empowering people: "Do the best you can until you know better. Then when you know better, do better." Hard to live up to but she's not wrong, is she?!



Mrs M Smith, Literacy Co-ordinator/Second in Department, English Teacher

Inspirational person: Wilfred Owen – he was a poet and soldier in WW1. His poetry on the horror of trench life has stood the test of time and he is loved and valued as one of the greatest poets of all time. He died a week before the armistice was signed. My favourite poem of his is 'Dulce et Decorum est' as it delved into the realism of war and it still has the power to shock even after reading it hundreds of times.



Mrs Harris, Assistant Headteacher, English Teacher

Inspirational person: Shakespeare – the most famous writer in the English language. Although he wrote almost 400 years ago and his writing might seem tricky to read today, his ideas and messages are still relevant for 2020. His stories (and poems) include the exploration of war, jealousy, power, ambition, prejudice, discrimination, friendship, loyalty love, loss - all relatable for us in 2020. And his legacy lives on in our everyday language. When you enter this "brave new world" of St Antony's and you "break the ice" in your form rooms, you should find that any worries have "melted into thin air" according to Shakespeare. A wise writer!



Mrs Nuttall, English Teacher

Inspirational person: Charlotte Bronte – she did not let the fact she was a female living in the early 19th century get in the way of what she wanted to do. She used a masculine pen-name in order to get her stories published and avoided unconscious bias that was often shown towards female authors. Charlotte wrote the book 'Jane Eyre' which is one of my favourite books of all time. I have studied it in school and at university and I still love it to this day. I feel it's almost biographical to Charlotte's life and gives an insight in to what it was like to live during the early 1800s. We take a lot for granted today.



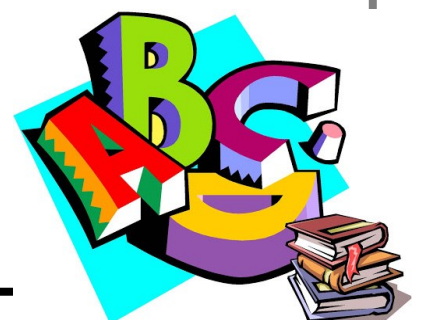
Miss Boyce, English Teacher

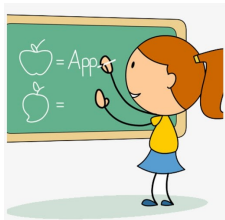
Inspirational person: Lyra Belacqua, also known as Lyra Silvertongue, from Philip Pullman's *Northern Lights* trilogy. Lyra is an inspiration to me as her motivation throughout the books is to find and help her friends. Lyra remains brave in grave situations and is willing to study to improve her reading of the alethiometer. Lyra is a determined and resilient character. I think we should all be a little more Lyra and keep going when things become challenging.



Mrs Holmes, English Teacher

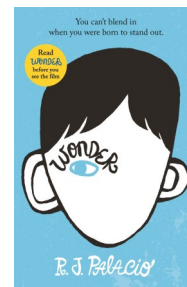
Inspirational person: Michelle Obama. She is fierce and has many inspirational speeches and quotes, such as, "Don't be afraid. Be focused. Be determined. Be hopeful. Be empowered."





What you will study in Year 7...

- The novel 'Wonder' by RJ Palacio
- 'A Christmas Carol' by Charles Dickens
- The play 'Millions' by Frank Cottrell Boyce
- Travel and adventure reading and writing, including 'The Lost World' and 'Jurassic Park' (the book!)
- Shakespeare
- 'Percy Jackson and the Lightning Thief'



Your summer challenge:

Who is your inspirational person? Your writing challenge is to write to them! If they are a person from history, why don't you write them a letter, or even a postcard? If they are still alive, you could do either of those options but you could actually post it or send it to them via social media or fan mail! You never know, they might reply!

Would you like a reading challenge? Find an exciting new book and try to read it, cover-to-cover during the holidays. Try looking on World of Books to find a nearly-new book or investigate the book shelves at your local charity shop – there are some bargains out there and it is a good type of recycling! <https://www.worldofbooks.com/en-gb/category/childrens-books>.



Meet the Music Department



Miss Ryan, Head of Music

Favourite Music: I enjoy a broad range of music from classical to rock and will listen to almost anything although I am a big fan of indie music, especially music that originates from Manchester.

What you will study in Year 7...



- Programme music
 - Music theory
 - Keyboard Skills
 - Ukulele & Guitar
- Instruments of the orchestra
- African Drumming



Your summer challenge:

Due to the current situation we have been unable to listen to live music since March! So... I want you to plan your perfect music festival.

Be as colourful and as creative as you can be!

- Create an advertising poster for your festival, including details of the location and the artists/performers
- Name your 3 stages
- Tell me which songs your artists will be singing/performing and why?

Bring everything to your first music lesson. There will be prizes for the most creative festivals in each class.





Meet the Modern Foreign Languages Department



Mrs McDonald, Head of Modern Foreign Languages

Inspirational person: Eric Cantona has always been one of my French idols. I was brought up on a diet of football and fun and when I was younger Eric was the king of Manchester and the only way to way your united shirt was with your collar pulled up. He's certainly not perfect but to me he represents confidence and determination, these are qualities that I really value.

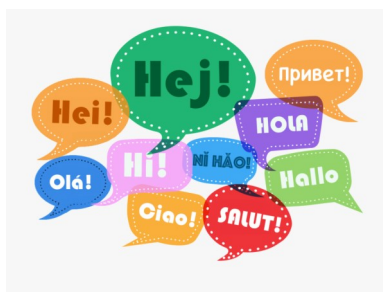


Mrs Ward, French teacher

Inspirational person: Coco Chanel. Before the first world war, she was brought up in an orphanage after he mother died at the age of 12 but she was determined to make something positive happen in her life. She had an eye for fashion and was fortunate to be given the opportunity to begin her own business which has now become one of the most famous names in fashion to this day. She is inspirational because her name survives, years after her death because of her natural talent and desire to achieve.

What you will study in Year 7...

- How to introduce themselves and talk about their family and friends.
- Describe what they like to do and give opinions.
- Talk about school life.
- Learn how to use the language lab and develop their confidence.



Your summer challenge:

A summer challenge for you to complete:
Research a place in France or a famous French person that they would like to know more about. Create a profile page for this as a word document or a power-point presentation.





Meet the Humanities Department



Mr Kearney , Head of Faculty

Humanities Hero – Michael Palin’s books and television programmes inspired me to learn more about our planet and to travel. He brought to life interesting places and fascinating people. We believe that the Humanities (Geography and History) are your gateway to understanding the rest of the world. We explore loads of really exciting topics and are looking forward to sharing our knowledge with you.



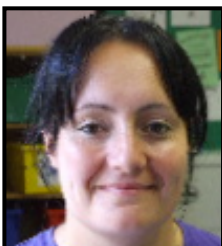
Mrs Richards , Humanities Teacher

Humanities Hero – Wangari Maathai. She was the first African woman to receive the Nobel Peace Prize after starting the Green Belt Movement aimed at countering the deforestation that was threatening the means of subsistence of the agricultural population. The campaign encouraged women to plant trees in their local environments and to think ecologically. The Movement spread to other African countries, and contributed to the planting of over thirty million trees



Miss Weinberg, SENCO / Teacher of History.

My favourite period of History is Russian History and The Cold War. Most of my time is spent in ‘The Den’ where I lead the SEND Department, the biggest department in the school. I love all the areas of History and know that you will love it too.



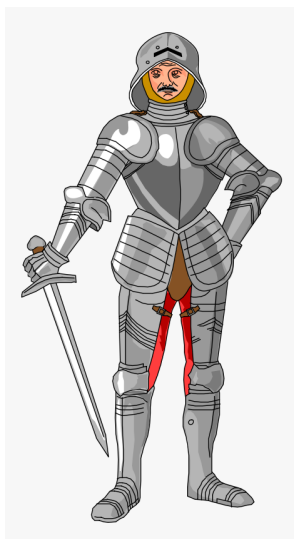
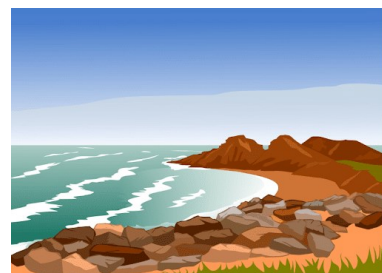
Mrs Edge, History Teacher and Head of Year

Humanities Hero - Rosa Parks as she was so courageous and inspired so many people through her bravery and activism. A very important person in History.

What you will study in Year 7...

In Geography you will learn:

- Geography Skills
- Britain - our home
- Coasts
- Weather
- Population



In History you will learn

- Historical Skills
- The Romans
- Medieval Life
- Local History

Your summer challenge:

On the school website there is a Humanities Around the world in 30 days challenge sheet.

<https://st-antony's.com/wp-content/uploads/30-days-around-the-world-challenge-final.pdf>

Pick a challenge and submit to Mr Kearney for a prize
e.kearney@st-antony's.com





Meet the RE Department



Mr Murphy, Head of Religious Education

Inspiration person: Pope Francis is an inspiration to everyone around the world. He wants everyone to be kind and look after each other, regardless of who they are, or where they are from. Pope Francis also wants us to protect the environment.



Mr Bracken, teacher of Religious Education

Inspirational people: "Martin Luther King gets the major plaudits, but for me Rosa Parks is equally inspiring. It took remarkable courage to do what she did: stand up to threatening, bullying racists. She received the Congressional Medal of Honour from president Clinton in 1999. Not bad for a 'criminal'."



Mr Giblin, Deputy Headteacher and RE teacher

Inspirational people: St Paul for bringing Christianity to many parts of Europe and at great risk. More recent – Pope John Paul the second – retained his faith despite his closest family members all passing away by the time he was in his mid-twenties



Miss Bartlett, Religious Education teacher

Inspiration person: Mother Theresa because she sacrificed her life with her family so that she could devote her own life to helping the homeless children in Calcutta get a start in life that everyone deserves.



Mrs Galbraith, teacher of Religious Education

Inspirational people: Mary Ward was an inspirational Catholic nun born in Yorkshire who demonstrated strength and courage to promote the education of young women, setting up schools across the world and risking her life to practise her faith and succeed. It takes bravery and determination to begin a new chapter in your life and Mary Ward is an inspiration to all young people starting their new school.

What you will study in Year 7...



What does God



Why is Jesus an
inspiration to people



How to use
the Bible



The Sacraments as way to
guide people through life



What do people in
other faiths believe?

Your summer challenge:

Who was St Antony?

The RE department would like you to create a piece of work about the saint that your new school is named after. You can create a poster, an essay or what ever you choose.

