

# Aristotle

PHILOSOPHER

- Classics
- Geography
- History
- Philosophy and Ethics
- Politics

Regarded as one of the greatest thinkers in history



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He made important contributions in many fields, including astronomy, physics, psychology, philosophy, geology, politics, geography, meteorology and zoology.

Aristotle is known as the founder of zoology. He was the first in history to classify living beings.

He was the first to write a book about psychology and proposed that the mind is one of the many basic functions of the body.

Aristotle recognised the slow rate of geological change, making him one of the earliest contributors in the field of geology.

“Courage is the first of human qualities because it is the quality which guarantees the others.”

Aristotle

“I have loved learning geography, understanding human and physical interaction is fascinating.”

Raffi, Year 11

“I really enjoy learning about Classics and seeing how the inventions, language and myths are reflected in modern day. In February, we had the most amazing school trip to Greece. We visited lots of different places like Athens, Mycenae and Delphi. It was so cool to see temples like The Parthenon in real life that we had studied in textbooks.” Chloe, Year 9

“History lessons are taught in a really fun way with role playing and practical activities, it’s not all essay writing.” George, Year 8

“I really enjoy Philosophy and Ethics at GCSE as it is a great way to look at the world around me from another perspective. I really enjoyed the Crime and Punishment unit as it was very interesting to see what causes a person to do certain things and the consequences of their actions.” Nikita, Year 10

“It’s great for you to have an understanding of the politics going on in the world, it really helps to explain why situations happen and how to deal with them - setting you up for the future!”

Grace, Year 12



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Isambard Kingdom

# Brunel

ENGINEER

- Child Development
- Design & Technology
- Engineering
- Food Preparation & Nutrition
- Graphics
- Textiles

The Clifton Suspension Bridge, Somerset



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In 1830, Brunel designed and built the Clifton Suspension Bridge. At the time, it was the longest bridge of any kind in the world.

At 20, Brunel helped his father design and construct the 396 metre Rotherhithe Tunnel, connecting Rotherhithe and Wapping in London.

Brunel was appointed Chief Engineer for the Great Western Railway in 1833. The project connected London to Bristol via a 124 mile railway route.

Brunel designed and built trans-Atlantic steamships including the SS Great Britain, the largest ship of the time.

“I am opposed to the laying down of rules or conditions to be observed in the construction of bridges lest the progress of improvement tomorrow might be embarrassed or shackled by recording or registering as law the prejudices or errors of today.”

Isambard Kingdom Brunel

“Design and Technology has opened my eyes to the world we live in and how I can have an impact by designing and making products that are sustainable, which will protect and improve the environment for my generation and for those to come.” Student, Year 12

“My passion for Engineering, the amazing equipment and dedicated staff members have allowed me to unlock my full potential and set me on the road to my dream job.” Oliver, Year 11

“When I saw the products that were being made in Food, I never thought I would be able to make them, but I have and I have enjoyed it so much!”

Thomas, Year 11

“Textiles is for anyone who has a creative flair, I have learnt lots of new techniques and it has increased my passion and admiration for designer brands. One day I could end up working for or building my own brand!” Rubina, Year 11



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Leonardo

# Da Vinci

ARTIST, INVENTOR & ARCHITECT

- Art
- Drama
- Learning Resource Centre
- Photography

The Mona Lisa by da Vinci, probably the world's most famous painting



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The Mona Lisa was painted sometime between 1503 and 1519, when Leonardo was living in Florence, and is now in the Louvre Museum in Paris. The sitter's mysterious smile and unproven identity have made the painting a source of ongoing investigation and fascination.

Leonardo da Vinci has created some of the most famous and recognisable paintings in history such as the Mona Lisa and his depiction of Jesus and his disciples in the Last Supper.

Da Vinci's inventions often showed his interest in flight, with his Ariel Screw and Flying Machine, which works in a similar way to today's helicopters and aeroplanes.

“Although nature commences with reason and ends in experience it is necessary for us to do the opposite, that is to commence with experience and from this to proceed to investigate the reason.”

Leonardo da Vinci

“Being part of this year's show was a wonderful experience for me. I particularly loved the support from everyone, students and teachers alike. It just felt like we were one big family.” Student, Year 11

“The LRC is an amazing place to relax and forget about all your worries. It has also allowed me to do lots of fun events such as the book awards and quizzes. There is such a range of different genres of books, there is always something for everyone.”

Ella, Year 8

“I enjoy studying photography, in lessons you carry out research into different photographers/artists and gain an understanding of the meaning behind their work which is really fascinating and makes the lessons interesting. There are a lot of resources that you can use for your coursework and support from the teacher when you need it.”

Tahiyah, Year 13

“Photography is a great way to capture moments of your life so that everyone can enjoy them. I knew I wanted to do photography as one of my subjects as it is an interest I have had since I was younger. The course allows you to experiment with lots of different mediums and enables you to explore which ones suit your personality best.” Melissa, Year 13



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# Leonardo Fibonacci

## MATHEMATICIAN

- Business Studies
- Computer Science & ICT
- PSHCEE

The Nautilus shell demonstrating the Fibonacci sequence



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He helped spread the use of Hindu systems of writing numbers in Europe and discovered one of the most famous formulas in mathematics.



Fibonacci is famous for his contributions to number theory. In his book, "Liber Abaci," he introduced the Hindu-Arabic place-valued decimal system and the use of Arabic numerals into Europe. He introduced the bar that is used for fractions today; previous to this, the numerator had quotations around it.

Fibonacci discovered the sequence which converges on phi. Starting with 0 and 1, each new number in the sequence is simply the sum of the two before it.

“If by chance I have omitted anything more or less proper or necessary, I beg forgiveness, since there is no one who is without fault and circumspect in all matters.”

Leonardo Fibonacci

“Business Studies is an amazing diverse subject that allows you to understand real life business and what goes on behind closed doors, making it so interesting.”

Natalie, Year 13

“Computer Science is not only a really fun and interesting GCSE course to take, but also helps me (especially in the coding aspect) with making online revision materials for other subjects, as well as making it easier to fix technological hiccups at home; it is by far one of my favourite subjects both for its interactivity and utility.”

Matthew, Year 10

“ICT is a subject which you will enjoy because of the multiple fun tasks you will do.”

Alexandros, Year 9

“As a student with no previous experience of first aid, I believe that it is very important to know first aid for emergency situations that require immediate help and attention. It is very useful to have these types of sessions in school, as most do not know basic first aid information.”

“We volunteer at the Grace Muriel old people's home every Wednesday. It has helped us grow in confidence, learn communication skills and just be able to have fun with people who have brilliant stories and personalities. When we got the volunteering certificate from the deputy mayor of St Albans it made us proud of ourselves and made all of the volunteering that we do feel worth it and appreciated.”

Post 16 Student



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Rosalind  
**Franklin**  
CHEMIST

• Science

DNA, the molecule that holds the blueprints for every living thing



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Rosalind Franklin gathered the data that led to the discovery of the structure of DNA.

In 1952, Franklin took X-ray photographs of a molecule that showed that DNA contains two strands wrapped around each other in a double helix.

The clearest image, known as photograph 51, enabled other scientists to build a model of DNA, and they received credit for it.

“Science, for me, gives a partial explanation for life. In so far as it goes, it is based on fact, experience and experiment.”

Rosalind Franklin

“My best class so far has been Science because we used Bunsen burners and we lit magnesium to make a big, bright, white light.” Student, Year 7

“Science has been really interesting, I’ve done lots of fun experiments and learnt loads. I particularly enjoyed exploring electrical circuits.” Charlie, Year 7

“I have always loved studying the sciences at Marlborough, from KS3 up to Post 16, thanks to the engaging teaching and exciting course content. The fact that I chose to study Chemistry and Biology at A level is a testament to this.”

Joe, Year 12

“I love science here at Marlborough. The practical elements of lessons and learning new things about the atmosphere that surrounds us is fascinating. The teachers are supportive and welcoming.” Thomas, Year 8



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# William Harvey

PHYSICIAN

- Dance
- Physical Education

Harvey's demonstration to show blood flow



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Harvey was an English physician who was the first to describe accurately how blood was pumped around the body by the heart.



Harvey proved that blood flows in two separate loops, the pulmonary circulation and the systemic circulation. He tied a ligature on the upper arm of a person, which distended the veins in the forearm and made the valves of the forearm clearly visible.

In 1628, aged 50, Harvey published his masterpiece *The Motion of the Heart* – usually referred to as *De Moto Cordis*. Its full title in English is: *Anatomical Studies on the Motion of the Heart and Blood in Animals*.

“All we know is still infinitely less than all that remains unknown.”

William Harvey

“Taking dance at GCSE has really helped me improve in every aspect of the contemporary syllabus. The determination and techniques we have learnt have definitely helped me for my future career in dance. I highly recommend this course.” Amy, Year 11

“Dance is a great subject, it can improve your physical and even mental health. There is lots of variety including taking part in workshops with professional dance companies.”

Kira, Year 9

“I love dance at Marlborough. Dance club is a great way to make new friends and have a great time. When I found out that I could take dance as a GCSE I was ecstatic.”

Megan, Year 8

“PE is absolutely amazing and fun. There is also a lot of extra-curricular activities to do at lunchtime and after school including swimming.”

Nikhil, Year 9

“So far at Marlborough the PE has been amazing. There are many new sports that you did not take in primary school, for example trampolining and parkour. The teachers are really nice and the lessons are fun.” Spencer, Year 7

“At Marlborough, PE is a great subject. You learn new skills from the teachers which helps you improve your technique. Not only that, but they also encourage students to do well.” Shion, Year 9



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# THE Merlin CENTRE

- Post 16
- Music



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We named our Post 16 building Merlin to remember Mr Williams, a much loved and highly respected colleague.



Mr Williams had a magical presence in the classroom and inspired many a young person and member of staff to be the very best they could be, through a deep love for his subject (Geography) and high regard for all the young people in his care whatever their ability or background.

Merlin was a huge part of our school and remembering him by naming a building after him is our way of recognising an outstanding practitioner who will never be forgotten by anyone who was privileged enough to either be taught or mentored by him, he was just a remarkable, humble and genuinely good man.

He will always be in our hearts.



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“Post 16 has offered me more freedom with my subjects, whilst still offering me guidance and support making me feel fully equipped for university.” Skye, Year 12

“I love the independence it has offered, giving me great life skills.”

Rudy, Year 12

“Marlborough Post 16 is an amazing, flexible environment. It is a setting that provides the essentials required to work individually, yet it also accommodates comfort for when you need to relax.” Victoria, Year 12

“Post 16 has paved the way, with support from good teachers, to hopefully get to university.” Ella, Year 12

“I appreciate the time to learn new skills.”

Ross, Year 12

“I feel as if we're treated and respected like adults.” Emilia, Year 12

“I enjoy studying Music here at Marlborough because there's always something to challenge and inspire you.” Harry, Year 10

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# Blaise Pascal

## MATHEMATICIAN

- Mathematics
- Media Studies
- Modern Foreign Languages

Pascal's Triangle, an array of the binomial coefficients



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Pascal's Triangle is a triangle of numbers where each number is the sum of the two numbers directly above it. It has many interesting and useful number patterns within it.





To help his father, a tax collector, Pascal designed a calculator to make tax calculations easier.

In the field of physics, Pascal contributed to the study of atmospheric pressure by discovering that vacuums are real and exist in the real world.

Pascal made the conceptual leap to use the Triangle to help solve problems in probability theory.

“Since we cannot know all that there is to be known about anything, we ought to know a little about everything.”

Blaise Pascal

“Maths is very challenging but so exciting when you solve a problem. You use Maths in everyday life, and you don't even know it.” Rhianna, Year 10

“The Maths lessons taught at Marlborough are all beneficial, riveting, useful and high priority for GCSE. Even Newton would be proud of the Integral Mathematical Learning happening in lessons.”

Darius, Year 9

“Media Studies has shown me a creative insight into different industries including film, music, print and social media. This has allowed me to establish a deeper understanding and an ability to identify different viewpoints using the knowledge I have learnt.”

Benjamin, Year 12

“Being encouraged to speak French during lessons has helped build my confidence and communication skills. I've enjoyed the chance to engage with French culture; learning about French cultural heritage and reading French texts has really meant that I have fallen in love with the language.” Ruth, Year 13



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# Mary Seacole

NURSE

• English

Set up the “British Hotel” behind the lines during the Crimean War



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As a British-Jamaican nurse in the 1800s, her leadership and courage paved the way for diversity in nursing in the UK after she cared for wounded British soldiers during the Crimean War.

The Crimean War started in October 1853 and Seacole, who had heard there were poor medical facilities for wounded soldiers, travelled to England and approached the British War Office, asking to be sent as an army nurse to Crimea. They refused her request, so she funded her own trip to Crimea where she established the British Hotel with Thomas Day. The hotel provided a place of respite for sick and recovering soldiers. At the time, Mary was as well-known in Britain as Florence Nightingale.

“The grateful words and smile which rewarded me for binding up a wound or giving a cooling drink was a pleasure worth risking life for at any time.”

Mary Seacole

“I enjoy English because there isn't just one right answer - it gives you the freedom to explore text through a personal viewpoint and express your own creativity.”

Lauren, Year 11

“I like English because it gives me a way to express myself.”

Emily, Year 9



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