



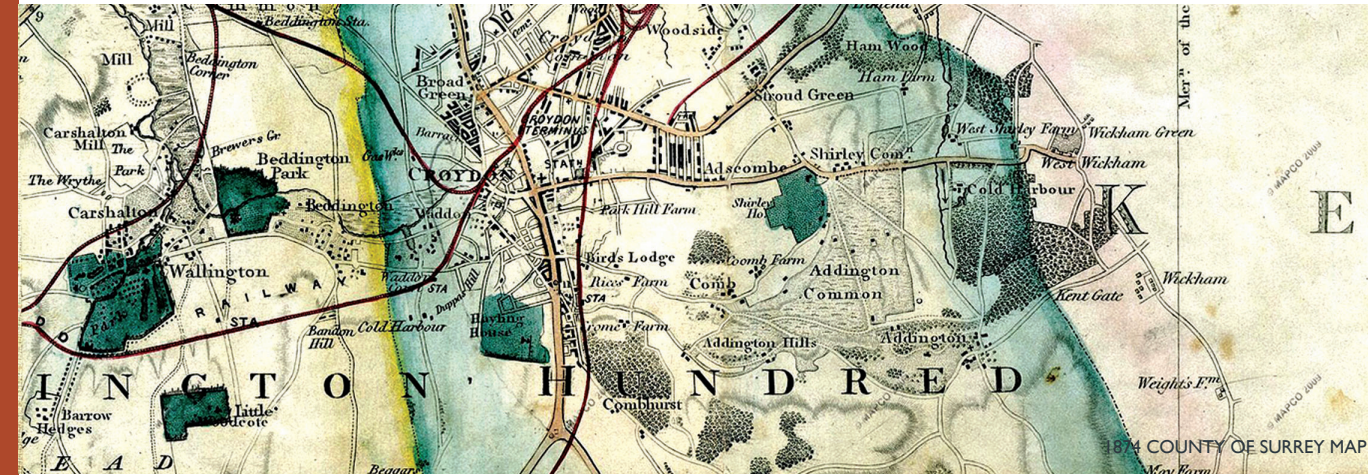
EUDAIMONIA
εὐδαιμονία

These studies sustain youth and entertain old age, they enhance prosperity, and offer a refuge and solace in adversity, they delight us when we are at home without hindering us in the wider world, and are with us at night, when we travel and when we visit the countryside. **Cicero**

The purpose of education is to free the student from the tyranny of the present **Cicero**

One of the greatest problems of our time is that many are schooled but few are educated. **St Thomas More**

The Eudaimonia Programme

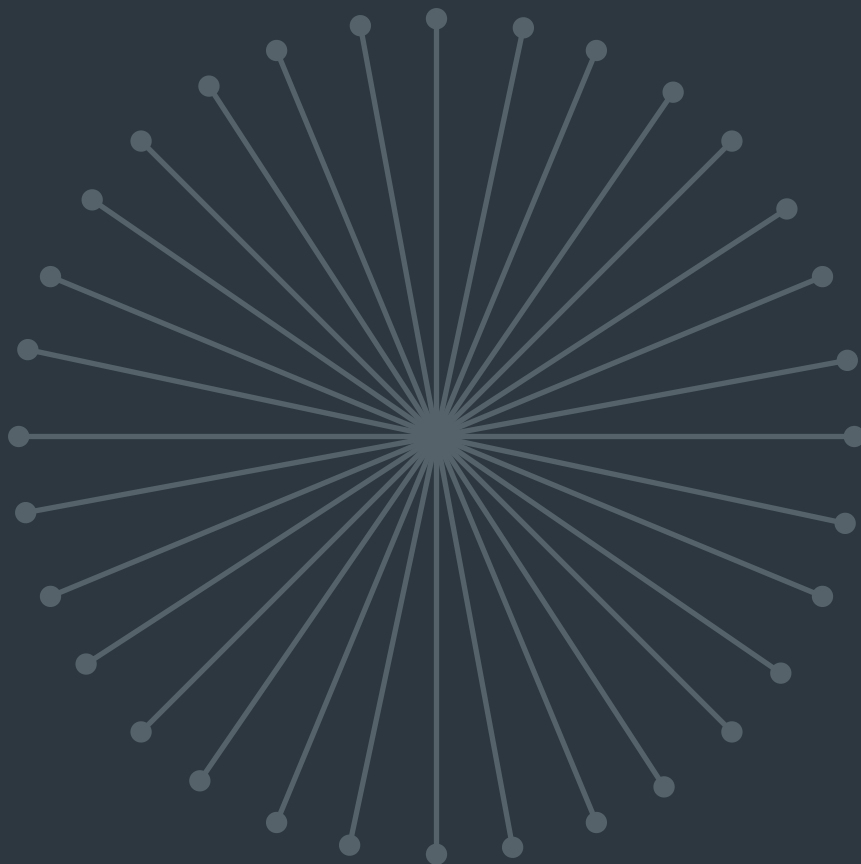


STREET MAPS. ROAD MAPS.
MIND MAPS. ORDNANCE SURVEY MAPS.
GOOGLE MAPS.
THE MAPPA MUNDI.

We all need maps. And never more than when we're trying to find our way through the tricky GCSE and A Level years.

In fact, what we need is a map that helps us find our way, that helps us see connections, that shows us the whole picture.

This is what the Eudaimonia Programme is here to provide: a map that will take you from Year 7 through to the Sixth Form and into the world; a map that grows with you; a map that helps you find your bearings.



But What is Eudaimonia?

IT'S A GREEK WORD WHICH IS USUALLY TRANSLATED AS 'HUMAN FLOURISHING' OR SOMETIMES EVEN AS 'HAPPINESS'. WE ALL WANT TO BE HAPPY BUT FINDING TRUE HAPPINESS – TRUE HUMAN FLOURISHING – IS TRICKY. WHICH IS WHY WE NEED HELP.

For the Greeks, eudaimonia was the highest good for man and the ultimate purpose of human activity. According to Socrates, one of the greatest thinkers of the Ancient World, we can all gain happiness by living what he called the 'examined life'.

Another philosopher, Aristotle, developed this idea by explaining that we achieve true human flourishing through the acquisition of wisdom. And wisdom is developed through the proper practice of specific virtues. For Aristotle, to live a happy life was to live a virtuous life, one in which the development, or flourishing, of your character is the key goal.

Now, this summary scarcely does justice to what are some really big ideas, which is why we have put together a programme that will help you find some answers to life's big questions.

In our Eudaimonia Programme you will get to grips with some of the most exciting ideas of all. Think of it as 100 Things You Ought to Know by Your 18th Birthday. Big Ideas in Science, Mathematics, Philosophy, Art, Literature, Current Affairs (including politics, economics and the roots of 21st Century conflicts), Music, Wisdom: Ancient & Modern, Life Skills, and Thinking Skills.

From Year 9 onwards you will have a lesson a week that will take you further than your GCSEs ever can. But the Eudaimonia Programme isn't simply another set of lessons. It's more a way of learning, studying and thinking, an approach which takes the interconnectedness of knowledge seriously.

Think of it as a Tube Map

THERE'S MORE THAN ONE WAY TO GET TO YOUR DESTINATION AND EVERY BRANCH OF LEARNING LINKS WITH EVERY OTHER.

With a series of talks by distinguished speakers, academic enrichment days, visits to places of national and international importance, the Eudaimonia Programme will help you track your way through life. And, speaking of life, we will work on life skills too, everything from study and revision skills to practical skills in the home to lessons in what we might call etiquette for the 21st Century. True to our educational vision, we will work with the local community and build international links. We will learn to serve as we learn to learn.

But that's enough of the vision thing: take a look at the map and then come with us as we start to explore.





The Science Line

In the beginning – the universe and all that.

The Big Bang, space and time, creation from nothing, inflation, size and boundaries, the dark side: dark matter and dark energy and... how will it all end?

Out of darkness – ancient world-views and the stillbirths of science

Science in ancient and medieval cultures: China, Greece, Egypt, Rome, Mesopotamia, Medieval Europe.

Into the light - a matter of gravity: when apples used to fall

Enlightenment, Newtonian mechanics, predictability, shaping scientific laws and theories, Galileo.

Meaning of life... but is it life as we know it?

Primordial soups, evolution, aliens, creationism, apes, star dust, soul.

It's all relative: when apples might fly

The 'collapse' of classical physics, $E=mc^2$, time travel, a warped universe...

It's all uncertain: saving Schrödinger's cat

Is it dead or is it alive? Or maybe it is both dead and alive but... don't cats have nine lives anyway? Weirdness in the sub-atomic quantum world.

Letting the gene out of the bottle

Revolution in the shape of a double helix, the boundaries of the possible versus the boundaries of the ethical.

Techno man and superman – for the greater benefit of mankind

In pursuit of endless technological progress: enhancing or diminishing our humanity?

God's particle and the theory of everything

The Higgs-Boson, in search of the ultimate theory, science fact versus science fiction, the end of science and the boundaries of the knowable.



The Philosophy Line

The Philosophy Line takes us on a fascinating journey from Jerusalem to Athens to Rome – from the wisdom of the Old Testament to the philosophical heights of Classical Greece to the wisdom that came with Christian revelation.

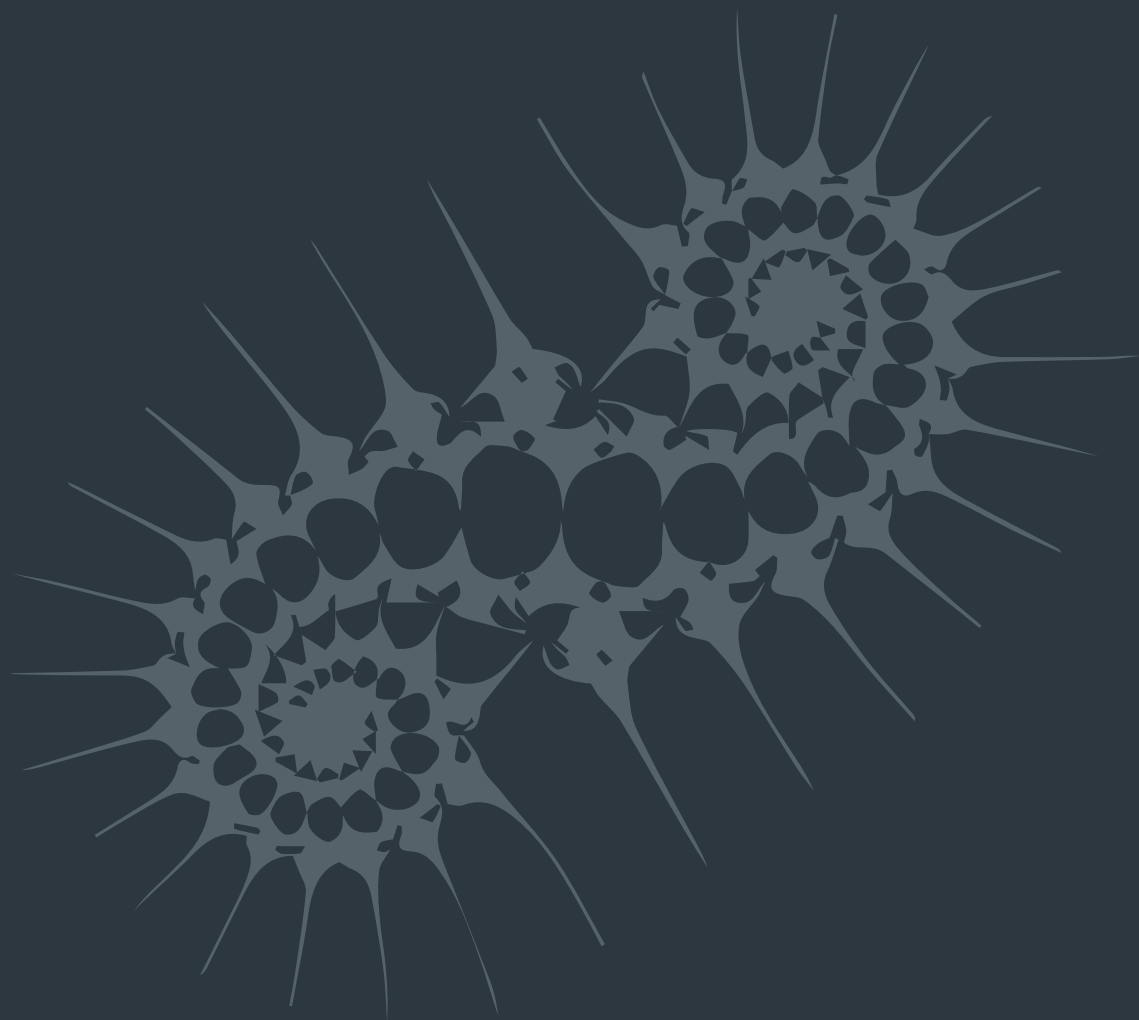
Or, forgetting the train line analogy for a moment, you could think of philosophy as an aqueduct that takes water from the higher ground of the past to the people who need it on lower ground.

As we travel we will meet Augustine, a towering genius from North Africa and the early Church. Then we'll have a chat with the Angelic Doctor himself, St Thomas Aquinas, probably the greatest thinker of the next thousand years.

Unfortunately when we meet Descartes the line divides. We'll follow both branches and see where we end up.



The Mathematics Line



Strange New World: The Shape of Reality

I have discovered things so wonderful that I was astounded... out of nothing I have created a strange new world, wrote János Bolyai in 1823. Bolyai may have been even more astounded to discover how his new and exciting geometry offered a surprisingly accurate description of the universe. We look at geometries ancient and modern.

Doughnuts and Coffee Cups: A Brief History of Topology

Mathematicians, it is said, can't tell the difference between a ring doughnut and a coffee cup. Jammy doughnuts are a different story, however. We find out why.

The Transcendental Railway

A whistle-stop tour through some very peculiar terrain...

Prime Location

Online security around the world depends on the fact that no efficient formula for locating prime numbers has been found – yet!

Between Being and Non-being: Imaginary Numbers

Imaginary numbers are a fine and wonderful refuge of the divine spirit: almost an amphibian between being and non-being. (Leibnitz)

Our Fractal Universe: The Hidden Geometry of Nature

Can a finite area be enclosed by an infinite perimeter? Can the complexity we observe in nature arise from simple rules? How do film makers create stunning special effects using mathematics?

A World in a Grain of Sand: Measure Theory

The familiar number line is much more mysterious than appears at first sight. What did Hippasus discover about the number line in the 5th Century BC that led to his execution? And is it really possible to fit the Sun inside a pea as 20th Century mathematicians Banach and Tarski claimed?

The Stream Flows: Taming Infinity

Is infinity a number? If not, what is it? Are all infinities the same size? We learn about Cantor's ideas of infinity.

Logic's Outer Limits From the 'Cretan Liar Paradox' to Gödel's Incompleteness Theorems, we explore ideas on whether or not the human mind is a computer.



The Languages Line

Braille

Do you want to learn to read in the dark? Did you know that there is more than one version of Braille? There are no blind alleys on this line.

British Sign Language

Yes, BSL is a language too, a highly complex one. We'll learn how to communicate with more than mere words.

Ἑλληνική

Classical Greek is one of the great languages: the language of the New Testament and the language of some of the greatest literature and philosophy of all time. Stop here and prepare to be amazed.

Speling

(Station closed for maintenance)
Enuff said.

St James' Park

There's more to punctuation than the use of the apostrophe but we are going to nail the apostrophe once and for all.

St James's Park

I'll start again. There's more to punctuation than the use of the apostrophe but we are going to nail the apostrophe twice and for all.

Watford Junction

Grammar. It's tricky. We will learn how to phrase our sentences accurately.

Whichford Junction

And politely.

中文

We are looking to the future at The Cedars and there is little doubt that Chinese is the future. It's also a wonderful language, so change here for all stations to Beijing.

The Literature Line

Ithaca We start with the great foundational myths – *The Iliad*, *The Odyssey*, *The Aeneid* – and other Classics from around the world.

Middle Earth English Literature began a thousand years before Shakespeare, so we have to pass through Middle Earth on our literary journey if we're going to make any sense of our destination.

Camelot From *Y Gododdin* to Monty Python, King Arthur has entertained and inspired generations of readers. We'll pop in to Camelot when we get around (table) to it.

Canterbury The capital of Kent. The place where Thomas Becket was martyred. The inspiration for one of the greatest works of English Literature: *The Canterbury Tales* by Geoffrey Chaucer. We'll stop here and see what we can discover.

Utopia Literally 'No Place' but we'll stop there anyway to meet St Thomas More, a great man, a great saint and a great writer.

Stratford Stratford-upon-Avon, that is. The birthplace of William Shakespeare. A great place to visit. A great place to stay.

London – Paris There are many other places we could drop into but London and Paris are always worth seeing, especially when in the company of Charles Dickens who told a fine tale or two.

Brideshead Leaving the city for a while, we'll stop off at this fine country house near Oxford. Guided by Evelyn Waugh we will examine the best (and consider the worst) that the 20th Century had to offer.

St Lucia or *The Empire Writes Back*
The end of the line, for geographical reasons I can't quite explain, is in the West Indies, in St Lucia to be precise, home of Nobel-Prize winning poet Derek Walcott. And Walcott's greatest poem is *Omeros*, a post-colonial epic: *The Iliad* and *The Odyssey* transplanted into the Caribbean. We're back where we began but what a journey we've had to get here.

The Arts & Humanities Line

Jump on the train to Kew Gardens and travel to Hampstead Heath. You will notice quite a change in the landscape. But how do we read (and map) that landscape? We'll find out.

There's a great deal more to the past than Old Street. As you work through the Eudaimonia Programme you will gradually develop the ability to read the grand narrative of history. You will travel from Tower Hill, with its kings, martyrs and criminals, to Victoria (and Albert).

Speaking of Albert (and Victoria), why do we have the Royal Albert Hall and the Victoria and Albert Museum? And, more importantly, how do we respond to the glorious artistic works that can be seen and heard there? We will learn how music works, how art works, how buildings work. And sometimes how they don't.

Angels are awesome. Learning about angels can also tell us a great deal about Judaism, Christianity and Islam, to say nothing of literature, art and film. And then, of course, there's the Angelic Doctor. But more of him later.

By the time we reach Seven Sisters we realise that this journey is going to take us further than we can have imagined and raised questions that we might not have imagined either. We'll consider feminism (and socialism and conservatism and liberalism, as well as utilitarianism and existentialism). But that's enough of the -isms for now. We've reached the end of the line.

Current Affairs

LINE UNDER CONSTRUCTION

IT IS DIFFICULT TO KNOW WHAT THIS LINE WILL LOOK LIKE IN A FEW YEARS TIME BUT HERE ARE A FEW OF THE STATIONS YOU MIGHT END UP VISITING

Bank

or *Financial Crisis: What Financial Crisis?*

It is no longer enough to be literate, we all now need to be financially literate too.

West Bank

or *How Do We Make Sense of Israeli-Palestinian Conflicts?*

What is the source of these conflicts and what impact do they have on the rest of the Middle East and the rest of the World? And how does all this relate to 'The Arab Spring'?

Westminster

or *How Do I Know Who to Vote For?*

It won't be long before you have the vote. It won't be long before you become partly responsible for the way this country is run. So what do you need to know to help you vote responsibly? What does each political party stand for? And what's the role of the media in our political world?

Waterloo

or *Britain in Europe* or *Britain and Europe* or *Britain versus Europe* or, I suppose, *Europe versus Britain*. What is the reality behind the arguments? What is Britain's relationship with Europe? And what is Europe anyhow?

Beijing

or *The New World Order*

We are living in a rapidly changing world so what will the new world order look like in the 21st Century? We'll look at the big players and some unexpected newcomers to the premier league.





THE CEDARS
SCHOOL

COOMBE ROAD | LLOYD PARK | CROYDON | CR0 5RD

BOYS AGED 11 - 18 YEARS

T 020 8185 7770

E ENQUIRIES@THECEDARSSCHOOL.ORG.UK

W THECEDARSSCHOOL.ORG.UK

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