

St Edward's Academy

Curriculum Reading Lists

To help you to be successful in all curriculum areas, you should spend time exploring your subjects more widely. Reading around your subjects will help to increase your understanding and will be an interesting and rewarding activity. This additional reading is a supra-curricular activity and it enhances the curriculum. The supra-curriculum is also different to the extra-curricular activities that you take part in.

A supra-curricular activity is subject-specific academic exploration. It builds on and goes beyond what you are studying through the school curriculum. Supra-curricular activities are purely academic in focus and directly relevant to the subject being studied (as opposed to only being relevant through the transferable skills gained). A supra-curricular activity therefore refers to anything you do to explore your subject in greater depth in your own time.

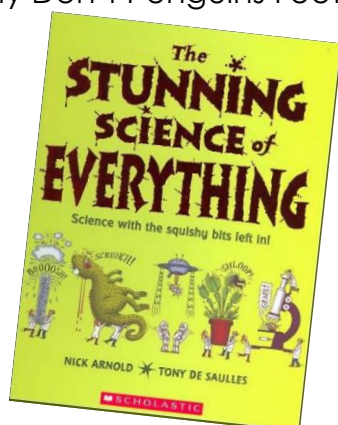
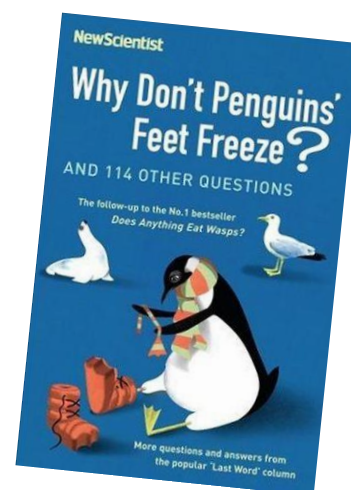
Academic enrichment should be an interesting and rewarding process for you. There is no set formula, nor any 'required reading': it is a chance for you to pick topics that fascinate you and to explore them in a variety of ways. There are also no exams or deadlines and you are free to develop your own lines of research. Do not feel pressured to read something that seems 'impressive', let your own interests guide you. Academic exploration is also a good chance for you to think about what you might like to study in the future.

The following reading lists are intended to challenge and interest you and deepen your understanding of the subject. Enjoy!

Science

Key Stage 3

- Horrible Science Series
- How It Works magazine
- Nick Arnold - The Stunning Science of Everything
- S Aadmodt & S Wang - Welcome to your Brain: Why You Lose Your Car Keys But Never Forget How to Drive and Other Puzzles of Everyday Life
- Caitlin O'Connell - The Elephant Scientist
- Nicola Davies - What's Eating You?
- Phil Plait - Death from the Skies!
- Ken Price - The Silly Solar System
- Pamela Turner - Life on Earth - and Beyond
- New Scientist - Why Don't Penguins Feet Freeze: And 114 Other Questions



St Edward's Academy Curriculum Reading Lists

Key Stage 4

- Colin Tudge - The Secret Life of Trees
- New Scientist Books
- B S Beckett - Biology: A Modern Introduction
- Bill Bryson - A Short History of Nearly Everything
- B Cox & A Cohen - Human Universe
- Richard Feynman - QED—The Strange Theory of Light and Matter
- Richard Feynman - Surely You're Joking Mr Feynman: Adventures of a Curious Character
- Ben Goldacre - Bad Science
- John Gribbin - In Search of Schrodinger's Cat
- Michio Kaku - Physics of the Impossible
- David Pogue - Science of Everything
- Jearl Walker - The Flying Circus of Physics

Key Stage 5

- Charles Darwin - The Origin of Species
- Steven Hawking - A Brief History of Time
- Steven Rose - The Chemistry of Life
- Laurence Krauss - The Physics of Star Trek
- New Scientist magazine
- Scientific American magazine
- Rachel Carson - Silent Spring
- Jeanne Cavelos - The Science of Star Wars
- Richard Dawkins - The Oxford Book of Modern Science Writing
- Richard Dawkins - The Selfish Gene
- Richard Fortey - Life: The Autobiography
- Brian Greene - The Hidden Reality: Parallel Universes and the Deep Laws of the Cosmos
- Steve Jones - Almost Like a Whale: The Origin of Species Updated
- James Kaklios - The Physics of Superheroes
- P Loke et al. - Research in Biological Sciences
- James Lovelock - The Revenge of Gaia: Why the Earth is Fighting Back and How We Can Still Save Humanity
- Siddhartha Mukherjee - The Emperor of All Maladies: A Biography of Cancer
- Carl Sagan - Cosmos: The Story of Cosmic Evolution, Science and Civilisation
- Mark Walters - Six Modern Plagues: And How We Are Causing Them
- James Watson - DNA: The Secret of Life
- Harun Yahya - Evolution Deceit: The Scientific Collapse of Darwinism

