



Hayle Academy

Post-16 Transition Preparation

The following suggested activities and resources have been collated to help to support you as you prepare for Post-16 courses in a range of subjects and fields. Subheadings are organised alphabetically in the following order:

- Business and IT
- Creative and Performing Arts
- Engineering, Maths and Science
- English, Media and Languages
- Humanities and Social Sciences
- Sport



Business and IT

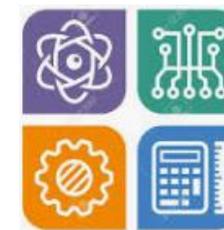
<p>Watch this talk from a successful start-up founder, where he explains the surprising result of his research. The single biggest reason why start-ups succeed <i>TED Talk – Bill Gross</i></p>	<p>Listen to this radio programme which explores whether computers can beat humans at games. Seriously...Game over humans <i>BBC Sounds</i></p>	<p>Listen to this radio interview with software pioneer Dame Stephanie Shirley. Life Scientific <i>BBC Sounds</i></p>	<p>Watch this talk which explores some of the philosophical ideas surrounding artificial intelligence. What happens when our computers are smarter than we are? <i>TED Talk – Nick Bostrom</i></p>
<p>Complete this course which provides an introduction to social media and marketing. Create a social media and marketing campaign <i>Institute of Coding and the University of Leeds</i></p>	<p>Watch this talk on the impact that artificial intelligence and robotics will have on jobs in the future. The jobs we'll lose to machines - and the ones we won't <i>TED Talk – Anthony Goldbloom</i></p>	<p>Listen to this radio programme about how the marketing industry uses our sense of guilt to influence what we buy. Marketing: The Power of Shame <i>BBC Sounds</i></p>	<p>Read this article about leadership skills and styles, plus advice on how to improve your own leadership. Become a Leader <i>Future Learn</i></p>

Creative and Performing Arts



<p>Complete this course about the seedy underbelly of the art world – learn how art is stolen, trafficked, found, and returned. Antiquities trafficking and art crime <i>The University of Glasgow</i></p>	<p>Listen to this radio programme that explores the growing popularity of grime music through the story of Welsh act Astroid Boys. Generation Grime <i>BBC Sounds</i></p>	<p>Read this article about one musician's personal experience of the healing power of music following a cancer diagnosis. How music therapy helped Black Eyed Peas star Taboo <i>BBC</i></p>	<p>Listen to this podcast which asks the question: Aside from the physical landscape, what does graffiti and street art actually change? Graffiti: Paint and Protest <i>BBC Sounds</i></p>
<p>Complete this course to unleash your musical creativity and learn how to write songs. How to write your first song <i>The University of Sheffield</i></p>	<p>Read this article which explains why actors belong to a trade union, and how it can protect a stage name. What is Equity? All about the British Actors Union in the UK <i>Acting in London</i></p>	<p>Complete this course which explores how musicians turn the notation of a score into a memorable performance and change how you listen to music. From notation to performance - understanding musical scores <i>The Open University</i></p>	<p>Listen to this podcast where leading artists, writers and thinkers discuss the ideas shaping our lives. Over 750 episodes available. Arts & Ideas <i>BBC Sounds</i> (Also available via Apple Podcasts, Spotify and Stitcher – search 'Arts & Ideas')</p>

Engineering, Maths and Science



<p>Listen to this radio programme in which BBC security correspondent Gordon Corera goes inside Britain's secret listening station. GCHQ Cracking the Code <i>BBC Sounds</i></p>	<p>Read this article in which evolutionary biologist Barbara Natterson-Horowitz and writer Kathryn Bowers make the case for why parents — animal <i>and</i> human — should remain involved in the lives of their full-grown offspring. Humans aren't the only ones that help out their adult kids <i>Ideas TED</i></p>	<p>Watch this TED talk in which neuroscientist Robert Sapolsky asks the question: How can humans be so compassionate and altruistic -- and also so brutal and violent? The biology of our best and worst selves <i>TED Talks – Robert Sapolsky</i></p>	<p>Listen to this radio programme which explores why NASA's third bid to land on the moon was flawed from the start. 13 Minutes to the Moon <i>BBC Sounds</i></p>
<p>Listen to this radio programme which explores all sorts of science-related topics (including the Coronavirus). BBC Inside Science <i>BBC Sounds</i></p>	<p>Listen to this radio programme in which Susan Marling asks why the UK has the lowest proportion of female engineers in Europe. Britain's Hidden Talent: Women Engineers <i>BBC Sounds</i></p>	<p>Complete this course in which you will learn the physical processes behind climate variation around the world to better understand the causes of climate change. Causes of Climate Change <i>University of Bergen and Bjerknes Centre for Climate Research</i></p>	<p>Watch this TED talk which explains why surfers are masters of complicated physics. The Physics of surfing <i>TED Talk – Nick Pizzo</i></p>

English, Media and Languages



<p>Complete this course on screenwriting, which includes learning the characteristics of screen stories, structure, character development and the writing process. An Introduction to Screenwriting <i>University of East Anglia</i></p>	<p>Watch this TED talk, presented in Spanish with English subtitles, which asks the question: does spelling matter in this day and age? Should we simplify spelling? <i>TED Talks – Karina Galperin</i></p>	<p>Read this free e-book which provides a brilliant survey of the history of the supernatural genre by renowned author H.P.Lovecraft. Supernatural Horror in Literature</p>	<p>Read this article on how you can harness the power of storytelling. Storytelling is a powerful communication tool <i>Ideas TED</i></p>
<p>Watch this TED talk in which lexicographer Erin McKean explores how we can manipulate language to express ourselves better. Go ahead, make up new words! <i>TED Talks – Erin McKean</i></p>	<p>Listen to this podcast which provides a fascinating exploration into how spoken and written language gives criminals away and helps to solve crimes. This podcast is part of a wider series called 'Word of Mouth' by Michael Rosen, and there are lots of other episodes available if you like this one. Forensic Linguistics <i>BBC Sounds</i></p>	<p>Watch this TED talk which presents a compelling argument for why you should bother to learn a new language. 4 reasons to learn a new language <i>TED Talks – John McWhorter</i></p>	<p>Complete this course which will help build your skills of literary analysis and creative writing by exploring the meaning of fairy tales. Fairy Tales: Meaning, Messages, and Morals <i>The University of Newcastle, Australia</i></p>

Humanities and Social Sciences



<p>Listen to this radio programme. History as told by the people who were there. There are hundreds of episodes with a new one every day. Witness History <i>BBC Programmes</i></p>	<p>Watch this TED talk. How much of what you think about psychology is actually wrong? In this whistle-stop tour of disproved ideas, Ben Ambridge shares nine popular ideas about psychology that have been proven wrong. 9 Myths about psychology, debunked <i>TED Talks – Ben Ambridge</i></p>	<p>Complete this course. Explore all things weather – from storms to climate – with this course that looks at the basic processes behind the weather. Learn About Weather <i>University of Exeter, Met Office and the Royal Meteorological Society</i></p>	<p>Listen to this radio programme. Comedy series that takes listeners back in time, feeding hashtags, trolls and trending topics into moments in History. History Retweeted <i>BBC Programmes</i></p>
<p>Read this article. When we needlessly apologise, we end up making ourselves small and diminish what we're trying to express, says sociologist Maja Jovanovic. Sorry to bother you, but do you say "sorry" too much? What to say instead. <i>Ideas TED</i></p>	<p>Listen to this radio programme. From the Russian revolution in 1917 to the collapse of the Soviet Union in 1991 – how communism shaped the world. Soviet History <i>BBC Programmes</i></p>	<p>Watch this TED talk. Behold, courage. These speakers have the fortitude to stand up to some of the world's greatest injustices. The Pursuit of Justice: A series of 8 programmes <i>TED Talks Bryan Stevenson, Sunitha Krishnan, Bahia Shehad, Adam Foss, Aaron Huey, iO Tillett Wright, Leymah Gbowee, Anand Giridharadas, Karen Tse and Kevin Bales</i></p>	<p>Complete this MOOC. This free online course explores the building blocks of our political views: freedom, community, place, justice and choice. Propaganda and Ideology in Everyday Life <i>University of Nottingham and the British Library.</i></p>

Sports



<p>Watch this TED talk. Are athletes really getting faster, better, stronger? <i>TED Talks – David Epstein</i></p>	<p>Watch this TED talk. Amazing, inspiring feats of daring and determination that will bring you everywhere from the high skies to the deep sea. (Playlist of eight talks). Extreme sports <i>TED Talks</i></p>	<p>Listen to this podcast from the British Journal of Sports Medicine. It covers all sorts of aspects of Sports Medicine, from the science behind running shoes to the power of sleep. BJSM Podcast <i>Also available on other podcast providers – search 'BJSM'</i></p>	<p>Read this article which explores some of the key gender issues in sports. Sports are designed around men – and that needs to change <i>Ideas TED</i></p>
<p>Watch this TED talk in which Christopher McDougall explores the mysteries of the human desire to run. Are we born to run? <i>TED Talk – Christopher McDougall</i></p>	<p>Listen to this radio programme from the BBC World service. Sports Hour is a live Saturday morning sports show with reports, debate and humour. There are over 280 shows available covering all world sport. BBC World Service: Sports hour <i>BBC Programmes</i></p>	<p>Read this article which explores the science behind wearing a helmet in sporting activities and how helmets are there to stop brain fracture and not concussion. Football helmets don't protect against concussion - and we're not sure what does</p>	<p>Complete this – a free on-line course. Football: more than a game <i>University of Edinburgh</i></p>