

Key Stage 4 Independent Learning

Thursday 27 April 2023 and Tuesday 2 May 2023

The table below offers a selection of links to Oak Academy lessons. Students should aim to complete 5 per day (as per usual school timetable). We suggest that students prioritise English, Maths and Science when selecting lessons to study.

Work set for the previous strike day has been included (top of the list of links), so that students can complete that work if they haven't already done it.

Subject	Oak Academy Lesson
English	Using a range of grammatical structures Viewpoint writing Logos, pathos and ethos Effective introduction and conclusion Rhetorical devices
Maths	Famous Maths problems: Goldbach's conjecture The Collatz conjecture Gabriel's problem The Happy Caterpillar Revise simultaneous equations: Part 1 Part 2 Part 3 Part 4
Biology	Prokaryotic and Eukaryotic cells Cellular structures Specialised cells Microscopes, magnification and resolution Diffusion and exchange surfaces

Registered Office: Red Post Hill, London SE24 9JH Tel: 020 7346 6600 FAX: 020 7346 6601

E-mail: info@charternorthdulwich.org.uk Web: www.charternorthdulwich.org.uk

The Charter Schools Educational Trust is a company limited by guarantee and registered in England and Wales. Company No: 07338707.

	Osmosis
Chemistry	Atoms, elements and compounds Development of the atomic model Atomic structure Isotopes Electronic structure Why elements react
Art	Frida Kahlo: Storytelling through art Chila Kumari Burman part 1 Chila Kumari Burman part 2 Chila Kumari Burman part 3
Computing	Logic problems The cost of cyber crime Non automated cybercrime Automated cybercrime
Drama	Use of posture, stance and space Live theatre Lighting and sound design Developing analytical comments Forming an evaluative response
DT / Engineering	Technical drawings Graphic communication CAD and 3D modelling The world of design
French	Problems facing the world Protecting the planet part 1 Protecting the planet part 2 Protecting the planet part 3

History	Persecution in the Soviet Union and Germany Blitzkrieg and Nazi control of Europe The battle of Britain and aerial bombardment Invasion of the USSR
Music	How do songwriters ensure that their song gets stuck in your head? Using technology musically: Using DAW to create EDM rhythms Chord sequences in EDM Adding interest to chord sequences
PE / Sport	How can we train power? What is resistance training? What is aerobic training? What is high intensity interval training?
PSHE	Doning blood, organs and stem cells - informed choices Maintaining a healthy lifestyle Physical activity and positive mental wellbeing
Spanish	Considering global issues Considering global issues part 2 Considering global issues part 3 Talking about local actions