

YEAR 12 CURRICULUM INFORMATION - GEOGRAPHY

Spring 1

Spring 2

What will students be learning?	Water & Carbon Cycles Changing Places
How will students be assessed?	Milestone 2 Changing Places Milestone 4 Water & Carbon Cycles
Literacy – What keywords will be taught?	Water & Carbon Cycles: Systems, inputs, outputs, energy, stores/components, flows/transfers, positive/negative feedback, dynamic equilibrium, Global distribution, lithosphere, hydrosphere, cryosphere and atmosphere. Processes driving change flows, transfers: evaporation, condensation, cloud formation, causes of precipitation and cryospheric, drainage basin and hill slope change - precipitation, evapotranspiration, runoff; stores and flows, interception, surface, soil water, groundwater, channel storage; stemflow, infiltration overland flow, and channel flow. Water balance. Flood hydrograph. Photosynthesis, respiration, decomposition, combustion, carbon sequestration in oceans and sediments, weathering. Hydrocarbon fuel extraction and burning, farming practices, deforestation, land use changes. Carbon budget. Changing Places Insider and outsider perspectives, near places and far places, experienced places and media places. Endogenous factors: location, topography, physical geography, land use, built environment and infrastructure, demographic and economic characteristics. Exogenous: relationships with other places. Place meaning and representation, demographic, socio-economic and cultural characteristics scales from local to global. Lived experience of place in the past and at present. Perception, engagement, attachment
What employability skills are being developed?	Data handling, collaboration, independence teamwork, empathy/emotional intelligence, communication, time management, digital literacy, Planning, organisation, self-management, time management, motivation, information use, technology use, independence, data analysis, adaptability, communication
Wider Curriculum Links?	Numeracy – data analysis, statistical analysis, manipulation, sampling, data presentation Literacy – reading for purpose (summarising, comprehension), extended writing, exam answers, esp developing essay skills (also scientific writing styles – constructing brief, analytical answers) Science –Ecosystem management, food webs, nutrient cycles. Business studies/Law/sociology – concepts of perception, human experience, deprivation, inequality, crime in urban spaces.
What useful websites are there for this topic?	Seneca Learning, Tutor2U Physics & Maths Tutor Internet Geography

What wider reading could be done for this topic?	Recommended subject guides: CGP AS and A-Level Geography: AQA Complete Revision & Practice Oxford AQA Geography for A Level & AS Physical Geography Revision Guide Oxford AQA Geography for A Level & AS Human Geography Revision Guide Geofactsheets (available in G3) Geography Review (available in G3) – Students are offered individual subscription at discounted rates – see AQE
What else can students be doing independently to develop their understanding of this topic?	Websites AQA Geography AQA Geography AS and A-level Geography Royal Geographic Society http://www.rgs.org/SpecialInterests/students/Students.htm A Level Geography http://www.alevelgeography.com/ Field Studies Council http://www.geography-fieldwork.org/, DataShine DataShine: Census CRDC Maps CDRC Maps: Index of Multiple Deprivation 2019 Nasa Climate NASA: Climate Change and Global Warming YouTube Channels: Ted-Ed, Khan Academy, Gapminder, NERC Science, Twitter Feeds: @geographicalmag, @RGB_IBG, @Brit_exploring, @OrdnanceSurvey, @MrGeography, @WorldMapper, @profiainstewart, @GeographyRT, @gapminder, @dataisbeautiful, Apps: Survey123, Seneca Learning, Snap Revise