

Year	Topic	Cultural Capital Prompt	Suggest link/resources
Year 7	Sound	How can noise be harmful?	Noise pollution
	Particle behaviour	Find out how 3 different scientists (Robert Brown, Albert Einstein and Jean-Baptiste Perrin) contributed to theory of Brownian motion	Encyclopedia Britannica
	Human body and microbes	Edward Jenner was one scientist who developed vaccinations. What can you find out about other scientists role in developing vaccinations?	A brief history of vaccination
Year 8	Acids and Alkalis	James Watt found that red cabbage made an excellent pH indicator. What other contributions did he make to science? What are the chemicals in red cabbage which make it a good indicator?	James Watt, YouTube
	Food and Digestion	Research how James Lind treated scurvy	BBC news article
	Light	Describe how Isaac Newton investigated spectrums and refraction of coloured light.	Institute of Physics
	Breathing and respiration	How does cigarette/vape packaging affect young people? Watch the video of children talking about cigarette packaging and read the article about vape packaging.	Video
			Article
	Forces 2	Who was Robert Hooke?	Robert Hooke
Earth and Climate	What is COP and what is the Paris agreement?	Paris agreement	
		COP	
Year 9	Genetics and Inheritance	What is a gene bank and why are they important?	Gene banks
	Earth's materials	How was the first plastic developed? How have plastics changed our world?	Science Museum
	Waves	How were radiowaves used for communication in WWII? What was a handie-talkie and how was it different to a walkie-talkie?	Handie-talkie
Walkie-talkie			
Year 10	Biology, communicable disease	How did Semmelweiss contribute to our knowledge of how to prevent spread of communicable diseases?	New Scientist
	Biology, preventing and treating disease	How were COVID-19 vaccines developed so quickly?	British Society for Immunology
	Chemistry, bonding	Graphene	Infographic
	Chemistry, Electrolysis	Research the life and work of Humphrey Davy.	Biography
	Physics, Electrical circuits and electricity in the home	"I have not failed 10,000 times; I have successfully found 10,000 ways which will not work". <i>Thomas Edison</i> . Why is growth mindset and learning from mistakes important in science?	Edison's less successful ideas

	Physics, Molecules and matter	What is Archimedes principal? Did he really jump out of a bath shouting "eureka!"? What do you think?	Scientific American
Year 11	Biology, variation, genetics and evolution	Who was Dolly? Why is there a stuffed sheep in the National Museum of Scotland?	Edinburgh University
	Biology, diersity and ecosysems	What are the sustainable alternatives to meat-protein? What are the benefits of these alternatives?	The Guardian
	Chemistry, Earth's atmosphere	How has the Earth's atmosphere changed? What processes have changed ouratmosphere?	BBC documentary film
	Chemistry, Chemical analysis	Helium was discovered in space before it was discovered on Earth. How was it discovered and why do we need to use it more sustainably?	Podcast
	Physics, Motion		
	Physics, Waves		