

KWS Academics Programme



KS4 Science faculty task table:

Read 	Action 	Watch 	Research 
Read an article from the websites below. Write a summary about what you found out https://www.sciencefocus.com/ https://www.newscientist.com/ https://catalyst-magazine.org/archive/ Signed by teacher _____	Write a creative story on the 3 types of bonding e.g. positive ion falling in love with the negative ion. Ensure you use scientific terminology. Signed by teacher _____	Cornell Note taking - Note taking is a key skill, there is an excellent written summary of the method here. If you prefer a video then there are hundreds available on Youtube - here are 2 of the better ones: Video 1, Video 2 Choose a science related TED talk, create your Cornell notes with the heading being the video title and hyperlink	Research and do a poster on how the 3 subatomic particles were discovered and what quarks are.
Read a book from the recommended reading list: Signed by teacher _____	Write a story on how evolution occurs: How explain Linnaeus's and Darwin theory explain why a giraffe has a long neck, compare the two theories? Signed by teacher _____	Attend an online event or visit the royal society in London. Write a brief description and upload to your class google classroom. Use the link below to find out more Signed by teacher _____	Research an object from the science museum, either visit in person or use their website. -who discovered/invented it? -What is its use? Why is it important? Signed by teacher _____
Read 'A Short History of Nearly Everything' by Bill Bryson Signed by teacher _____	Combine your passion for Science and the creative arts. Have a look at the projects run by the Wellcome collection for young people using the link below. https://wellcomecollection.org/pages/Wuw2MSIAACtd3Ssg Signed by teacher _____	Watch an episode of The Secret Genius of Modern Life (BBC iPlayer). Signed by teacher _____	Make an information booklet on how fractional distillation works and its uses. Signed by teacher _____

Read <i>Sapiens: A Brief History of Humankind</i>. Signed by teacher _____	Silver Crest Award: Complete a 30 hour project on any Science or Technology theme of your choice. If you want to make it practical then talk to your Science teachers. Use the link below to get some inspiration. Signed by teacher _____	Watch NileRed YouTube video series. Interesting and unusual chemistry experiments. https://www.youtube.com/user/TheRedNile/videos Signed by teacher _____	Research: nano-particles. What are they, who made them, what are their uses? Why were they banned in some products? Signed by teacher _____
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Please bring to Ms Tranter to sign upon completion _____