YR10 SUMMER 2025 TRIPLE SCIENCE TASK:

Over the summer break, spend some time viewing the **short videos on the Required practicals (RP) that you need to know for Paper 1 Biology, Chemistry and Physics exams**. A list of RP's is given in the table below with video links which are excellent in demonstrating the key points for each RP.

You will need **to choose 2 Required Practical's for each science subject (2 biology / 2 chemistry / 2 physics) and produce an A4 size information leaflet or poster for each one** , detailing what the Required Practical entails – you should include what the purpose of the practical is, a summary of the method on how to carry out the practical, including a diagram of how the practical is set up, what sort of results are expected and any other relevant information you gather from the video links. Please bring your completed posters or leaflets to your science lesson to show your teacher. The work you produce will be an excellent revision resource for when you get nearer the final exams in Year 11 to refer to and refresh your memories on these RP's as you will be quizzed about them in Paper 1. Names of all students that complete the task will be entered into a draw to win some prizes!

Required Practical's TRIPLE Science Paper 1

SUBJECT	REQUIRED PRACTICAL	FREE SCIENCE LESSONS VIDEO	MALMESBURY EDUCATION VIDEOS
Triple Biology	RP1 – Microscopes	https://www.youtube.com/watch?v=jBVxo5T-ZQM	https://www.youtube.com/watch?v=SX6mow1AExI&list=PLAd0MSIZBSsF3vV_uxzbcNHuDrQ6Hc-Ul&index=8
	RP2 – Culturing microorganisms	https://www.youtube.com/watch?v=BkbLI2mAMP8	https://www.youtube.com/watch?v=sI2Dp5fNdDY&list=PLAd0MSIZBSsF3vV_uxzbcNHuDrQ6Hc-Ul&index=17
	RP3 – Effect of osmosis on plant tissue	https://www.youtube.com/watch?v=ef2Ts2AKhq8	https://www.youtube.com/watch?v=oieXYuQm_xE&list=PLAd0MSIZBSsF3vV_uxzbcNHuDrQ6Hc-Ul&index=3
	RP4 – Food tests	https://www.youtube.com/watch?v=SqWTJWOBww4	https://www.youtube.com/watch?v=akMLGbNA0gE&list=PLAd0MSIZBSsF3vV_uxzbcNHuDrQ6Hc-Ul&index=4
	RP5 – Effect of pH on amylase	https://www.youtube.com/watch?v=JyXXoevEWc8	https://www.youtube.com/watch?v=8Yqbu56ImXk&list=PLAd0MSIZBSsF3vV_uxzbcNHuDrQ6Hc-Ul&index=9
	RP6 - Photosynthesis	https://www.youtube.com/watch?v=JyXXoevEWc8	https://www.youtube.com/watch?v=id0aO_OdFwA&list=PLAd0MSIZBSsF3vV_uxzbcNHuDrQ6Hc-Ul&index=2

Triple Chemistry	RP1 – Making Soluble salts	https://www.youtube.com/watch?v=9GH95172Js8	https://www.youtube.com/watch?v=qIOMlwBoe_4&list=PLAd0MSIZBSsF3vV_uxzbcNHuDrQ6Hc-Ul&index=1
	RP2 – Carrying out a titration	https://www.youtube.com/watch?v=saRBT5oZfh8	https://www.youtube.com/watch?v=vn3Rx3g1VPk&list=PLAd0MSIZBSsF3vV_uxzbcNHuDrQ6Hc-Ul&index=11
	RP3 – Electrolysis	https://www.youtube.com/watch?v=ukbtTTG1Kew	https://www.youtube.com/watch?v=tCHE_7QeRUc&list=PLAd0MSIZBSsF3vV_uxzbcNHuDrQ6Hc-Ul&index=14
	RP4 – Temperature changes	https://www.youtube.com/watch?v=rdI7xEq4Ew8	https://www.youtube.com/watch?v=tKxcQYZ2YH8&list=PLAd0MSIZBSsF3vV_uxzbcNHuDrQ6Hc-Ul&index=12
Triple Physics	RP1 – Specific Heat Capacity	https://www.youtube.com/watch?v=HAPmwu7byGM	https://www.youtube.com/watch?v=CpEdfQUAxZ4&list=PLAd0MSIZBSsGNWKdHJdQYIndKl3HZUrSB&index=4
	RP2 – Thermal insulators	https://www.youtube.com/watch?v=lLH45loyPUA	https://www.youtube.com/watch?v=PRX_LXyCSWk&list=PLAd0MSIZBSsGNWKdHJdQYIndKl3HZUrSB&index=6
	RP3 – Resistance	https://www.youtube.com/watch?v=YsZeZotYVag	https://www.youtube.com/watch?v=m_3JrA-sDEg&list=PLAd0MSIZBSsGNWKdHJdQYIndKl3HZUrSB&index=8
	RP4 – Current / P.D. Characteristics	https://www.youtube.com/watch?v=A1SyKvdHoqY	https://www.youtube.com/watch?v=bp4T1Vqma3M&list=PLAd0MSIZBSsGNWKdHJdQYIndKl3HZUrSB&index=2
	RP5 – Density	https://www.youtube.com/watch?v=ScXOp8Zph28	https://www.youtube.com/watch?v=q4qhPs2U5S4&list=PLAd0MSIZBSsGNWKdHJdQYIndKl3HZUrSB&index=3