

Year 13 Transition: Computer Science

The Computing department would like you to complete a couple of tasks before you start your journey in Year 13. This will be your most important year where you will sit two exams and complete a programming project.

Please complete as many of the following tasks, that you can, over the summer holidays:

	Task	Description & Help
1	Research for programming Project	For your programming, using the PDF that you were given on Microsoft Teams, start the research part of your project – to allow you to ask questions and start your next phase.
2	SLR 1, 2, 3, 4, 5 and 6 recap	Using: https://www.youtube.com/c/craigndave/playlists?view=50&sort=dd&shelf_id=17 go through the playlists for SLR 1-6 to help recap what you have already covered.
3	SLR 7	Using: https://www.youtube.com/watch?v=tTHQuMsxU_8&list=PLCiOXwirraUA-oG_EN3G46jVGOE_G4eBt watch the videos on “Types of Programming Languages” and make some research notes – this will help solidify understanding towards exam 2 and your programming project.
4	SLR 8	Using: https://www.youtube.com/watch?v=oKUTv944SXc&list=PLCiOXwirraUD49s6HtyBGaiYScD6mxZ5B watch the videos on different programming topics – make notes and try to practice some of the tasks.
5	SLR 9	Using: https://www.youtube.com/watch?v=ql1udlvsYmw&list=PLCiOXwirraUC5JC0piwgzACQleHsnkDTP watch the videos on compression, encryption and hashing. Make detailed notes as these topics regularly come up on exams.
6	SLR 10	Using: https://www.youtube.com/watch?v=ob7Zy8NgVK4&list=PLCiOXwirraUAs5THJQKx6OCVixPUY5XbU watch the videos on databases. This is important as using databases will help with exam 2 and your programming project.
7	Programming Practice	Using the SMHW PDF tasks that were set in July, complete as many tasks as you can – this WILL help you with your programming project. https://www.satchelone.com/homeworks/49421940-6-10th-july---python-programming
8	New Languages	You should know by now the new languages you need for your programming project – use the time over the summer holidays to look at online tutorials available for free to practice those new languages.