Welcome to the amazing world of Computer Science. Below is a range of different activities and tasks to help you get started. Please don't feel like you must complete everything, feel free to pick and choose different topics that suit. The main point from this document is that you are learning something new and most importantly enjoying your time

Listen / watch / do

This section has various links to help you become more knowledgeable about the subject of Computer Science

Task	Link	Type
Computer Science Crash Course - Mechanics of How Computers Work - Basics of Programming and Software - Computer Hardware - Rise of PCs and graphics - The Internet - Artificial Intelligence - Humans and the Future of Computing	YouTube Link Please note, there are many hours of video to watch here. Don't feel like you must watch every single video. Just pick a topic that interests you and go from there.	Watch
Social implications of driverless car Create a PowerPoint to illustrate the following: - Benefits of the driverless car - Areas of concern - Safety - Level of autonomy - Social implications	Link This topic directly links to the Computer Science A Level specification *(1.5.2 Moral and ethical issues: Automated decision making and Artificial intelligence)*	Task
Programming tasks If your computer allows (PC only) download the following IDE: Microsoft Studio and start having fun programming. At Carmel College in the Computer Science dept. we learn a programming language called Visual Basic Net. Have look and a go of practicing and building your programming skills	Programming is a fundamental aspect of Computer Science and an integral part of the Computer Science A-Level (40%). Practice certainly makes perfect. *"Don't worry if it doesn't work right [when coding]. If everything did, you'd be out of a job."* *Steve Jobs (former Apple CEO), 11 Mar 2016*	Task(s) Visual Studio IDE Programming #1 Programming #2