

Welcome to Year 12 Computing

Contacts

A Level-Computer Science : EYRE / BROWN

Mr Eyre and Mr Brown are both based in the Enterprise Office (The portakabin in the quad, up the Ramp : Room 27)

Any problems or questions you can see either of us at any time (if we're available) or email us...please don't hesitate

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Please note : All electronic resources for this course are on the Shared Areas.

Overview

The exam board and course we are following is "OCR Computer Science - H446 (from 2015)". You will follow the full A-Level (H446) from the moment you start at the WBS 6th form.

The whole of the 2 year course has been separated into Year 1 and Year 2.

In Year 1 of the course you will study a mixture of theory and practical that cover the basic less demanding aspects of the course. You will develop in competence as a programmer in order to successfully undertake a Programming Project at the end of Year 1 and the start of Year 2.

In Year 2 you will develop your understanding of the material covered in Year 1 in addition to covering the more demanding aspects of the course. By the end of your 2nd year of study you will have covered all course material as part of the H446 Computer Science course provided by OCR. There are 2 written exams : H446-01 and H446-02. These are 2hr 30min written papers making up 40% (140 UMS marks) each. There is also a 3rd element (the Programming Project) worth 20%.

Content Overview	Assessment Overview	
<ul style="list-style-type: none">The characteristics of contemporary processors, input, output and storage devicesSoftware and software developmentExchanging dataData types, data structures and algorithmsLegal, moral, cultural and ethical issuesElements of computational thinkingProblem solving and programmingAlgorithms to solve problems and standard algorithms <p><i>The learner will choose a computing problem to work through according to the guidance in the specification.</i></p> <ul style="list-style-type: none">Analysis of the problemDesign of the solutionDeveloping the solutionEvaluation	Computer systems (01) 140 marks 2 hours and 30 minutes written paper (no calculators allowed)	40% of total A level
	Algorithms and programming (02*) 140 marks 2 hours and 30 minutes written paper (no calculators allowed)	40% of total A level
	Programming project 03* – Repository or 04* – Postal or 80 – Carry forward (2018 onwards)* 70 marks Non-exam assessment	20% of total A level

Much more information can be found on the exam board Website (also see useful docs below): [OCR Exam Board Website](#)

When you miss lessons

If you miss a lesson/s for any reason, it is your responsibility to fully catch up in your own time. You can do this by asking others in the class and / or seeing your teacher. Whenever possible this should be done in advance of your 1st lesson back. Take responsibility for your own learning. Arriving at your first lesson back not knowing anything about what you've missed and saying "I wasn't here last lesson so I don't know what to do" is not the approach of a responsible 6th former who wants to do well. Above all, do not skip lessons unless you have a extremely good genuine reason for doing so...ultimately it will affect how you do on the course. If you can, let your teacher know in advance if you will be away.

Enterprise 6th form homework policy and work outside of lesson

- 1). We do not expect to have any issues with 6th formers not completing homework. You are here by choice and are taking the next step in your education as a young adult. If you're not going to do your homework, why are you here?
- 2). Homework's are **NOT** Optional and by now you should have realised they are 100% for your benefit, goals and progress.
- 3). A reasonable amount of time will always be given to complete homeworks.
- 4). Homework may well be finishing coursework tasks or preparing for exams, quizzes or tests. It could also be independent research, preparation for next lesson or consolidating what you've learned in lesson. All of it should be done and treated with equal seriousness and importance.
- 5). All work should be 100% your own, unless instructed otherwise. Do not share your work with anyone else. However, there is nothing to stop you helping and advising, but do NOT let others copy.
- 6). In 6th form you will be set homework as and when the need arises (this will be often). BUT you should always be making use of your free lessons : consolidating what you've done in lesson - You will ALWAYS have things to do.
- 7). A minimum for success in Year 1 : for every hour you spend in lesson, you should be spending a least 30 minutes outside of it, in your own time doing consolidation, homework, catch-up etc. For example : 4 subjects x 9hrs over 2 weeks = 36hrs lessons. So, 18hrs per week = 9hrs of this to do in your own time. There are 25hrs in a school week, that means 25-18 lessons = 6 free hours available. If you use all those free school hours productively that would mean 9-6 = just 3 hrs per week in your own time outside of school.
- 8). A minimum for success in Year 2 it should increase to an hour minimum per lesson consolidation. Year 13 is harder and you normally only have 3 subjects, that's still only 2 hrs per week in your own time outside of school.
- 9). It's a mistake to get into bad habits and be lazy. Get yourself in for the whole school day 8:30am till 2:45pm, and use all your frees wisely. Pretend you are at work and have a job to do - Do this consistently, every school day and all your hard work will definitely pay off.