

<p style="text-align: center;"><b>Student Home Learning Plan</b> <b>Computing and Business Faculty - Version I</b></p>
----------------------------------------------------------------------------------------------------------------------------

Please find below an outline of our scheme of work curriculum plans for each year group in the Computing and Business Faculty. All work is primarily located in **Google Classroom**, and the work on this platform can be accessed at home through a web browser. Students in Year 10 and Year 11 Computer Science have been given access to the **Cambridge Elevate** platform. [This can be accessed using the following link](#) . If for any reason they forget their username or password for this they should contact the relevant classroom teacher by email.

Students in Year 12 and 13 studying the A-Level Business course may find the resources on the [Tutor2U website](#) useful and helpful, particularly in terms of consolidating their learning and understanding.

Any questions regarding any work set should be directed to the classroom teacher by email in the first instance.

Click the links below to access the work for your particular year group.

[Year 7](#)

[Year 8](#)

[Year 9](#)

[Year 10](#)

[Year 11](#)

[Year 12](#)

[Year 13](#)

## Year 7 - Computing

Term	Week	Topic	Resources (Located)
Autumn Term I	w/c 05/10/20 w/c 12/10/20 w/c 19/10/20	e-Safety e-Safety e-Safety	Google Classroom - Y7 Computing
Autumn Term II	w/c 02/11/20 w/c 09/11/20 w/c 16/11/20 w/c 23/11/20 w/c 30/11/20 w/c 07/12/20 w/c 14/12/20	Hardware Lesson I Hardware Lesson II Binary Lesson I Binary Lesson II Inside the CPU RAM and ROM Assessment Week	Google Classroom - Y7 Computing
Spring Term I	w/c 04/01/21	TBA	

## Year 8 - Computing

Term	Week	Topic	Resources (Located)
Autumn Term I	w/c 05/10/20 w/c 12/10/20 w/c 19/10/20	Binary Lesson I Binary Lesson II Binary Lesson III	Google Classroom - Y8 Computing
Autumn Term II	w/c 02/11/20 w/c 09/11/20 w/c 16/11/20 w/c 23/11/20 w/c 30/11/20 w/c 07/12/20 w/c 14/12/20	Operating Systems I Operating Systems II Embedded Computers Software Lesson I Software Lesson II Storage Devices I Storage Devices II	Google Classroom - Y8 Computing
Spring Term I	w/c 04/01/21	TBA	

## Year 9 - Computing

Term	Week	Topic	Resources (Located)
Autumn Term I	w/c 05/10/20 w/c 12/10/20 w/c 19/10/20	Computer Crime (Networks) Computer Crime (Ciphers) Computer Crime	Google Classroom - Y9 Computing
Autumn Term II	w/c 02/11/20 w/c 09/11/20 w/c 16/11/20 w/c 23/11/20 w/c 30/11/20 w/c 07/12/20 w/c 14/12/20	Programming Lesson I Programming Lesson II Programming Lesson III Programming Lesson IV Programming Lesson V Programming Lesson VI Programming Lesson VII	Google Classroom - Y9 Computing
Spring Term I	w/c 04/01/21	TBA	

## Year 10 GCSE Business (Edexcel 9-1) -1BS0

Term	Week	Topic	Resources (Located)
Autumn Term I	w/c 05/10/20 w/c 12/10/20 w/c 19/10/20	Wants and Needs Market Research Techniques Market Research Techniques	Google Classroom - Y10 Business
Autumn Term II	w/c 02/11/20 w/c 09/11/20 w/c 16/11/20 w/c 23/11/20 w/c 30/11/20 w/c 07/12/20 w/c 14/12/20	Assessment Week Business Location Business Location Market Segmentation Market Segmentation Market Mapping Competitive Environment	Google Classroom - Y10 Business
Spring Term I	w/c 04/01/20	TBA	

## Year 10 GCSE Computer Science (OCR 9-1) - J277

Term	Week	Topic	Learning Resources (Where Located)
<b>Autumn Term I</b>	w/c 05/10/20	Storage Devices 2D and 3D lists and collections	Cambridge Elevate & Google Classroom - Year 10 CS
	w/c 12/10/20	Storage Devices/Little Man Computer Using Functions in code	
	w/c 19/10/20	Inside the CPU Assembly language. Testing/debugging code	
<b>Autumn Term II</b>	w/c 02/11/20	Text Based Adventure Adding features	Cambridge Elevate & Google Classroom - Year 10 CS
	w/c 09/11/20	Text Based Adventure Final changes and testing	
	w/c 16/11/20	Operating Systems Computational Thinking Algorithm design	
	w/c 23/11/20	Operating Systems IDEs and Compilation toolchain	
	w/c 30/11/20	Software Modular code and defensive design	
	w/c 07/12/20	Software Design Paradigms	
	w/c 14/12/20	Assessment Week	
<b>Spring Term I</b>	w/c 04/01/20	TBA	

## Year 11 GCSE Computer Science (OCR 9-1) - J276

Term	Week	Topic	Resources (Located)
<b>Autumn Term I</b>	w/c 05/10/20	Ethical Issues I	Cambridge Elevate & Google Classroom - Year 11 CS & Revision Guide
	w/c 12/10/20	Binary conversion, maths & Hexadecimal Storage Devices	
	w/c 19/10/20	Binary representation of Audio, images and characters Operating Systems Compression and Encryption	
<b>Autumn Term II</b>	w/c 02/11/20	Inside the Computer	Cambridge Elevate & Google Classroom - Year 11 CS
	w/c 09/11/20	Encryption and Hashing Networks I	
	w/c 16/11/20	Defensive design Mock Exam Practice	
	w/c 23/11/20	IDES, Interpreters and Compilers Mock Exam Practice	
	w/c 30/11/20	Mock Exam Practice	
	w/c 07/12/20	Network II	
	w/c 14/12/20	Network Protocols	
<b>Spring Term I</b>	w/c 04/01/21	TBA	

## Year 11 Cambridge National in Information Technologies - J808

Term	Week	Topic	Resources (Located)
<b>Autumn Term I</b>	w/c 05/10/20		Google Classroom - Year 11
	w/c 12/10/20		
	w/c 19/10/20		
<b>Autumn Term II</b>	w/c 02/11/20	Threats to Data I	Google Classroom - Year 11
	w/c 09/11/20	Threats to Data II	
	w/c 16/11/20	Mock Exam Practice	
	w/c 23/11/20	Mock Exam Practice	
	w/c 30/11/20	Mock Exam Practice	
	w/c 07/12/20	Hacking and Malware I	
	w/c 14/12/20	Hacking and Malware II	
<b>Spring Term I</b>	w/c 04/01/21	TBA	

## Year 12 A-Level Business (Edexcel) - 9BS0

Term	Week	Topic	Resources (Located)
<b>Autumn Term I</b>	w/c 05/10/20	2.1 - Contribution 1.5 - Forms of Business	Google Classroom - Y12 Business  Tutor2U
	w/c 12/10/20	2.2 - Break Even - 1.5 - Forms of Business	
	w/c 19/10/20	2.2 - Margin Safety/Budgets - 1.5 - Forms of Business	
<b>Autumn Term II</b>	w/c 02/11/20	2.2 - Budgets - 1.5 - Forms of Business	Google Classroom - Y12 Business  Tutor2U
	w/c 09/11/20	2.3 - Profit - 1.5 - Business Choices	
	w/c 16/11/20	2.3 - Profit - 1.5 - Business Choices	
	w/c 23/11/20	2.3 - Practice Questions - 1.5 - Business Choices	
	w/c 30/11/20	2.3 - Practice Questions - 1.5 - Business Choices	
	w/c 07/12/20	2.3 - Liquidity - 1.5 - Moving to a Leader	
	w/c 14/12/20	End of term Assessment Practice	
<b>Spring Term I</b>	w/c 04/01/21	TBA	

## Year 12 A-Level Computer Science (OCR) - H446

Students should work through the programming challenges document which has been uploaded to the Google Classroom Y12 Computer Science group. There is an outline on the platform which states which sections should be covered in which week. The group OOP project is to be continued remotely (end of Autumn term 1, first two weeks of Autumn term 2).

### **Year 13 A-Level Business (OCR) - H431**

All work for A-Level Business can be found on the Google Classroom groups for MAK and PAJ. Students should continue to work on ensuring that their class notes are up to date, and where possible use the CGP A Level Business Revision Guide they purchased in Year 12 to revise from.

### **Year 13 A- Level Computer Science (OCR) - H446**

Students should work through the programming challenges document which has been uploaded to the Google Classroom Y13 Computer Science group. Practice exam questions are also posted on Google Classroom, which are to be completed promptly. Students should also spend a proportion of the allocated time working on the assessed project task which is due in March 2021.