



# Holy Family Catholic High School



Subject	Year	Term
Computer Science	13	Summer
Topic		
Final revision		
Content - Intent		
Prior Learning (Topic)	Binary logic and programming paradigms	
<p>Revision of the main parts of the course, showing how these are interlinked. Revision sessions will focus on combining together many parts of the course so students can see they're interlinked. Extended exam questions will be used to help demonstrate ways in which concepts can interlink. They will also help deepen students' appreciation of the strengths and weaknesses of different concepts, and the best way to apply a concept to achieve a goal. This is part of AO1 (knowledge and understanding), AO2 (applying the concept), and also AO3 (evaluating effectiveness, or comparing and contrasting) The final half term will be a negotiation between staff and students about which topics should be covered. This will be guided by the strengths and weaknesses of the class, based on marking, and also what students feel are their weakest areas</p>		
Future Learning	Exam	
What Knowledge and Skills will be Taught (Implementation)	How will your understanding be assessed and recorded (Impact)	
<p>Exam techniques on how to deconstruct exam questions to best answer them. Theory will be taught with an eye to the likely style of questions that will be likely asked. This is the opportunity to bring all of the different elements of the course together so students can see how many of the theoretical strands link together. This will have been taught already, but not in the context of exam papers.</p>	<p>Marking of exam questions giving feedback on weaknesses and how students can improve. Students will be asked to prepare answers to questions and then will be given time in class, under exam conditions, to give them. These will be marked and the actual grade, together with suggestions for improvement provided. In-class tests and review will highlight areas that need development. Also, at A level, several different elements are usually integrated together, and so the list of content will be expanded where past paper questions require.</p>	
How can parents help at home?		
<p>Ensure students revise for class tests and for the final exam. They should have a series of past papers, and they have the course textbook</p>		



**Helpful further reading and discussion (Including reading and Vocabulary List)**

**Reading**

Theory textbook –

*ISBN 978-1910523056*

OCR AS and A Level Computer Science, by  
Heathcote and Heathcote

Programming Textbooks-

*ISBN - 978-1910523193*

Tackling A Level Projects in Computer Science for  
OCR H446

*ISBN - 978-1484260463*

Modern C++ for Absolute Beginners

*ISBN - 978-1838648572*

Beginning C++ Game Programming

**Vocabulary Lists**

State

Ensure

Consider

Consolidate

Algorithm

Big O

Allow

Provide