

Supporting Your Learner

Higher

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Course Outline

In Higher Computing Science there are two main areas of study:

- Unit 1: Software Design & Development
 - The general aim of this Unit is to develop knowledge and understanding of advanced concepts and practical problem-solving skills in software design and development through appropriate software development environments. Learners will develop their programming and computational thinking skills by designing, implementing, testing and evaluating practical solutions and explaining how these programs work. They will also develop an understanding of computer architecture and the concepts that underpin how programs work. Learners will also gain an awareness of the impact of contemporary computing technologies.
- Unit 2: Information Systems Design & Development
 - The general aim of this Unit is for the learner to develop knowledge and understanding of advanced concepts and practical problem-solving skills related to the design and development of information systems through a range of practical and investigative tasks. Learners will apply their computational thinking skills to implement practical solutions using a range of development tools and to develop an understanding of the technical, legal, environmental, economic and social issues related to one or more information systems.
- Unit 3: Assignment

Added Value Unit

- The AVU is a practical activity that uses many of the skills learned throughout the Higher course. It is marked internally by the teacher and must be completed before the end of the course. The AVU accounts for 40% of the Overall Course



Useful Websites

- [BBC Bitesize Higher Computing](#)
- [KHS Higher Computing Pages](#)
- [Higher Computing Science Wiki](#)
- [FHS Higher Computing Science](#)
- [SQA Information & Past/Sample Papers](#)

Useful Textbooks

- [SQA Specimen Paper 2014 Higher for CfE Computing Science & Hodder Gibson Model Papers \(Sqa Specimen Papers\)](#)
- [BrightRED Study Guide: CfE Higher Computing Science Paperback – 20 Aug 2014](#)
- [How to Pass Higher Computing Science for CfE paperbacks – 25 Sep 2015](#)

Revision Classes

- The department Offers an open door policy during lunches for revision or catching up on missed work. In some cases, after school sessions may be available by prior arrangement.

SQA Support

The link below will allow you to access the SQA's Parent page which will provide an overview of National Qualifications as well as helping with decisions about next steps

[SQA Support for Parent](#)

