

# A LEVEL COMPUTING (OCR)

## PRACTICAL PROGRAMMING PROJECT (NEA)

### STUDENT GUIDE TO THE ANALYSIS

**1.1.1 RESEARCH THE PROJECT**



Research is essential to a successful analysis. It involves finding a topic, gathering information and evidence about that topic and then presenting that evidence in a structured way.

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**1.1.5 RESEARCH THE PROJECT**



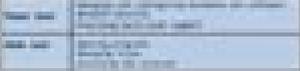
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Section	Section	Section
Section 1	Section 2	Section 3
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First of FOUR student guidance booklets for the practical programming project element (NEA) of OCR A Level Computing - INCLUDES A STUDENT CHECKLIST

# A Level Computing

**Roland T. Mittermeir**



## **A Level Computing:**

**'A' Level Computing** P. M. Heathcote, 2000 A textbook for A Level computing organised in modular format for new AQA specification [AQA A level Computer Science](#) Bob Reeves, 2015-07-24 Exam Board AQA Level AS A level Subject Computer Science First Teaching September 2015 First Exam June 2016 This title has been approved by AQA for use with the AS and A level AQA Computer Science specifications AQA A level Computer Science gives students the chance to think creatively and progress through the AQA AS and A level Computer Science specifications Detailed coverage of the specifications will enrich understanding of the fundamental principles of computing whilst a range of activities help to develop the programming skills and computational thinking skills at A level and beyond Enables students to build a thorough understanding of the fundamental principles in the AQA AS and A Level Computer Science specifications with detailed coverage of programming algorithms data structures and representation systems databases and networks uses and consequences Helps to tackle the various demands of the course confidently with advice and support for programming and theoretical assessments and the problem solving or investigative project at A level Develops the programming and computational thinking skills for A level and beyond frequent coding and question practice will help students apply their knowledge of the principles of computer science and design program and evaluate problem solving computer systems Bob Reeves is an experienced teacher with examining experience and well respected author of resources for Computing and ICT across the curriculum *OCR A Level Computer Science* George Rouse, Jason Pitt, Sean O'Byrne, 2015-05-29 Exam Board OCR Level A level Subject Computer Science First Teaching September 2015 First Exam June 2016 Develop confident students with our expert authors their insight and guidance will ensure a thorough understanding of OCR A Level computer science with challenging tasks and activities to test essential analytical and problem solving skills Endorsed by OCR for use with the OCR AS and A Level Computer Science specification and written by a trusted and experienced author team OCR Computer Science for A Level Builds students understanding of the core topics and computing skills required by the course units Computing Systems Algorithms and Problem Solving and Programming Project with detailed topic coverage case studies and regular questions to measure understanding Develops a problem solving approach based on computational thinking required at both AS and A Level thought provoking practice questions at the end of each chapter gives opportunities to probe more deeply into key topics Incorporates full coverage of the skills and knowledge demanded by the examined units with exercises to help students understand the assessment objectives and advice and examples to support them through the practical element of the course [Cambridge International AS and A Level Computing Coursebook](#) Chris Leadbetter, Roger Blackford, Tony Piper, 2012-03 Written for the AS A Level Computing syllabus this coursebook follows the bullet points of the syllabus chronologically **Cambridge International AS and A Level Computer Science Revision Guide** Tony Piper, 2016-04-14 Cambridge International AS and A Level Computer Science offers a complete set of resources to accompany the 9608 syllabus This

revision guide helps students to prepare and practice skills for the Cambridge AS and A Level Computer Science examination It contains clear explanations and key information to support learners with additional practice questions to help students feel confident and reinforce their understanding of key concepts

**'a' Level Computing (5th Edition)** Pat Heathcote, Sylvia Langfield, 2004-08-15 This standard textbook has been comprehensively revised by experienced teacher and examiner Sylvia Langfield Arranged in five modules corresponding to the AQA specification there are exercises and past exam questions at the end of each chapter

**AS Level Computing** Pat M. Heathcote, S. Langfield, 2004-07-15 This book covers the first three modules of A Level Computing course in a comprehensive but concise and readable manner Each chapter covers material that can comfortably be taught in one or two lessons and contains questions taken from recent examination papers It covers the following topics Module 1 Computer Systems Programming and Network Concepts Module 2 Principles of hardware software and applications Module 3 Practical Systems Development Publisher description *From Computer Literacy to Informatics Fundamentals* Roland T. Mittermeir, 2005-02-28 This book constitutes the refereed proceedings of the International Conference on Informatics in Secondary Schools Evolution and Perspectives ISSEP 2005 held in Klagenfurt Austria in March April 2005 The 21 revised full papers presented together with an introduction were carefully reviewed and selected for inclusion in the book A broad variety of topics related to teaching informatics in secondary schools is addressed ranging from national experience reports to paedagogical and methodological issues

**'A' Level Computing** Pat M. Heathcote, 2000

**Informatics Education - The Bridge between Using and Understanding Computers** Roland Mittermeir, 2006-10-28 This book constitutes the refereed proceedings of the International Conference on Informatics in Secondary Schools Evolution and Perspectives ISSEP 2006 held in Vilnius Lithuania in November 2006 The 29 revised full papers presented were carefully reviewed and selected from 204 submissions A broad variety of topics related to teaching informatics in secondary schools is addressed

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