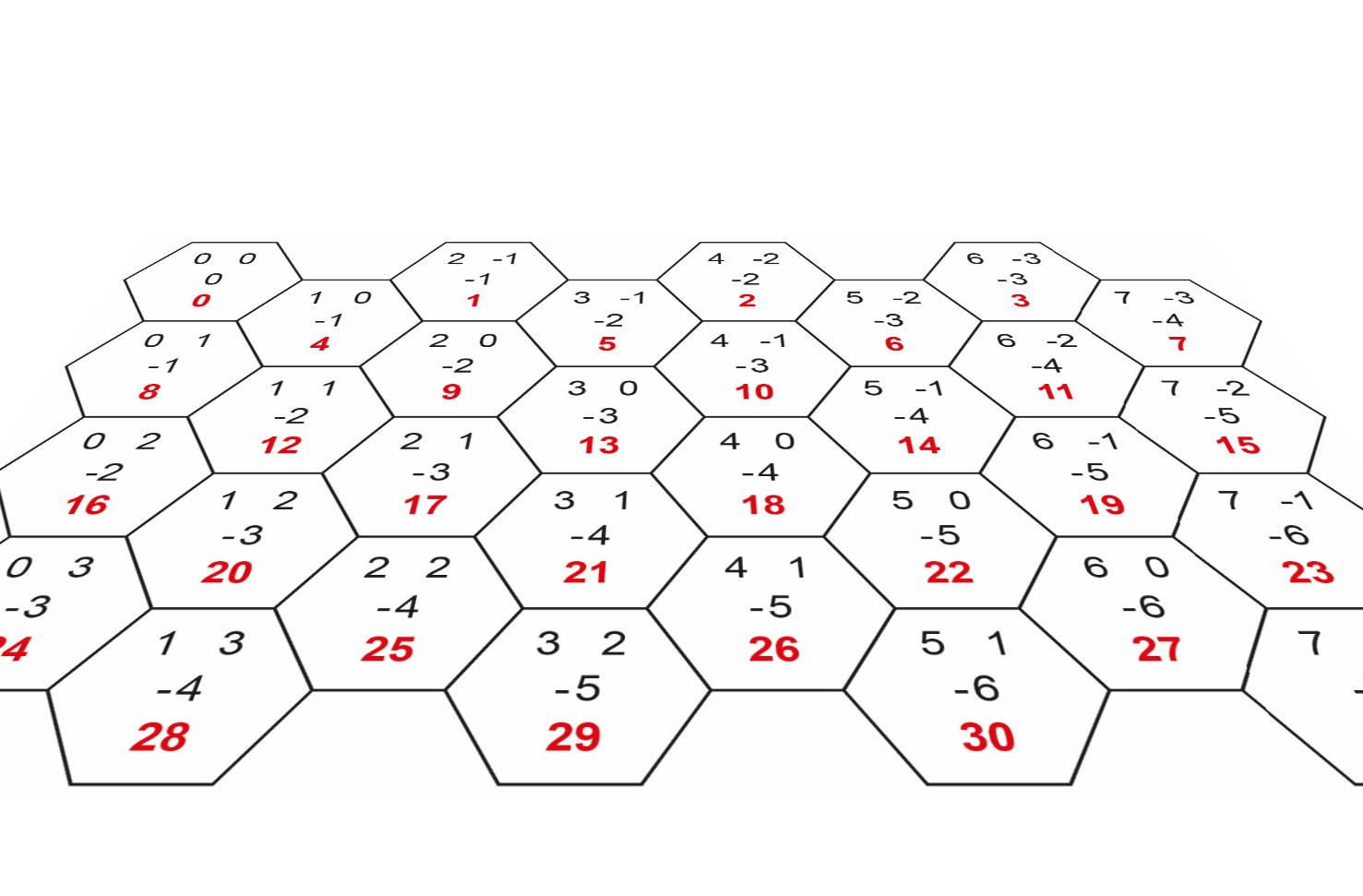


Computer Science A Level | AQA | 7517



PAPER 1 EXAM RESOURCE PACK 2021

HEX BARON

for A Level AQA Computer Science

PYTHON3 EDITION

2015 specification

for the 2021 exam

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**Printouts of CD resources (for reference)**

▪ Commentary (12 pages)

▪ Class Diagram Tasks (3 pages)

▪ Theory Questions: Write-on version (5 pages)

▪ Theory Questions: Non-write-on version (3 page)

▪ Programming Tasks (17 pages)

▪ Additional Tasks (Extension) (1 page)

▪ Class Diagram Tasks: Solutions (3 pages)

▪ Class Diagram Full (1 pages)

▪ Theory Questions: Mark Scheme (3 pages)

▪ Programming Tasks: Mark Scheme (44 pages)

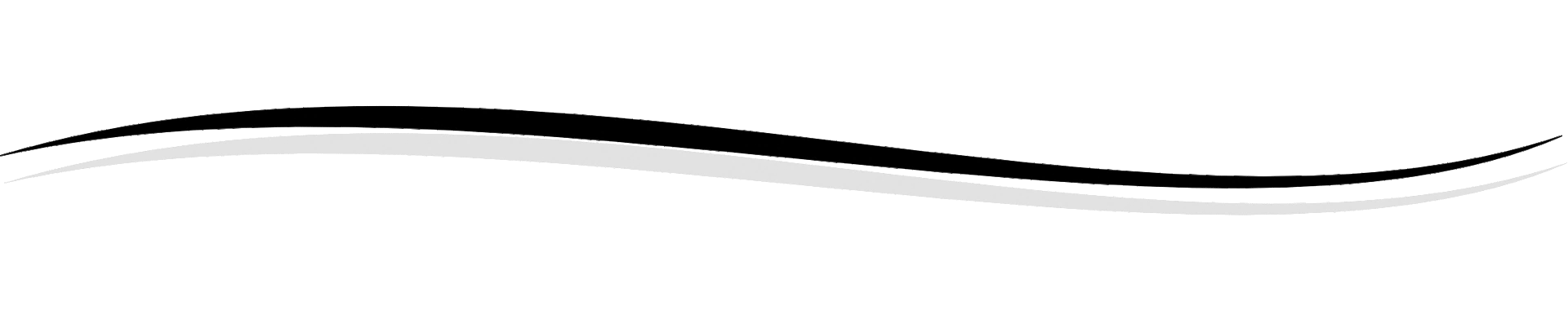
▪ Electronic Answer Document (3 pages)

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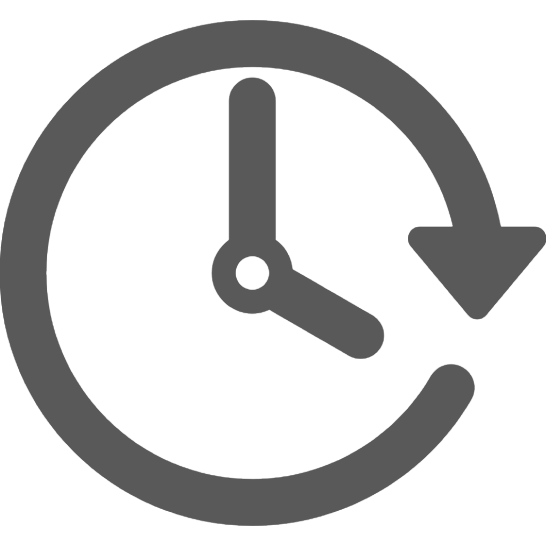
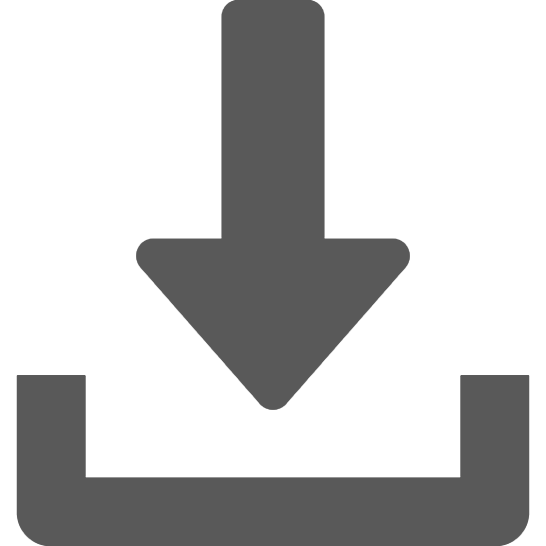
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# Teacher's Introduction

This resource pack is designed to help you support your students taking the A Level Computer Science Paper 1 exam. It is based on the *Hex Baron* preliminary material (Python3) – for examination summer 2021.

On the CD, you will find the following:

🗀 HexBaron this folder contains all of the content (PDF/DOCX) accessible via a HTML interface

🗏 Passwords.txt for teacher use – this file contains all of the passwords for the protected PDFs (also listed below)

\* PRINTED COPIES OF ALL THE MATERIALS IN THIS DIGITAL RESOURCE PACK ARE INCLUDED FOR REFERENCE.

Installation: Copy the entire HexBaron folder onto a network location that is accessible for students, and provide them with a shortcut to the index.html file. All content can be accessed from this page.

Passwords: All of the PDFs accessible via the *Solutions* web page are password-protected, so that students can only access them with your permission. Each password is a four-digit code, as follows:

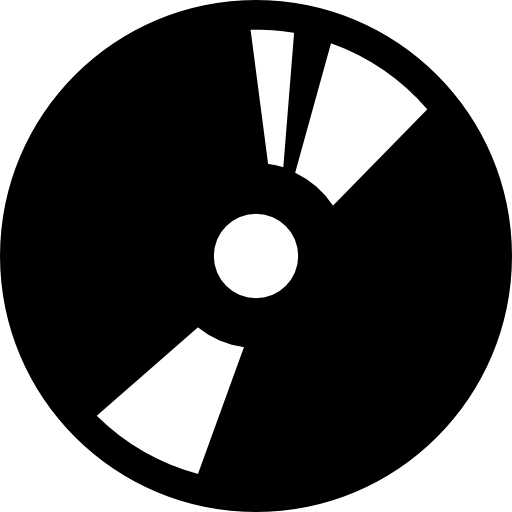
🗏 p06a-ClassDiagramTasksMS.pdf 3091

🗏 p06b-ClassDiagramFull.pdf 5630

🗏 p07-TheoryQuestionsMS.pdf 7642

🗏 p08-ProgrammingTasksMS.pdf 2966

Should you wish to give students access to ALL protected-PDFs, the master password for all files is: zz2ghc4



The resource pack consists of the following:

① Pre-release Commentary including a general explanation of how the program works (text and video),   
plus a more detailed, technical overview\* describing each subroutine class and method in turn.

\*Note: although this section is intended to give extra support to teachers and students, it should in no way be seen as a substitute to a student exploring the code for themselves.

② Class Diagram Tasks

Three class diagram tasks for students to complete while getting to grips with the skeleton program.   
A mark scheme is provided via the *Solutions* web page as a password-protected PDF.

③ Written Questions

Theory questions testing students' understanding of the skeleton program, like Section C in the exam. These questions require access to the program, but no modifications need to be made to the program. Write-on (with answer lines) and non-write-on version are available format. Suggested answers are provided via the *Solutions* web page as a password-protected PDF.

④ Programming Tasks

Fifteen modification exercises put students' programming skills to the test, like Section D in the exam. Example solutions with suggested mark schemes are provided via the *Solutions* web page as a password-protected PDF. Note that these are example solutions and you must use your discretion to award marks accordingly where there are valid alternative solutions.

An Electronic Answer Document (EAD) is provided should you wish students to use it for ③ and/or ④ above.

This resource is intended to supplement your teaching only.  Please read full disclaimer (p. iii) before using it.