

Transition work proforma:

Subject: Computer Science

Exam Board: OCR

Specification: H446

Task instructions:

Paper 1 Prep: GCSE 1.3.1 & 1.3.2 Network By Topic Past Paper

- If you have already completed it during GCSE, you do not need to redo it—just bring your original copy back.
- Complete the “By Topic” past paper in black; mark it using the mark scheme in green.
- Create at least 10 flashcards for the questions you got wrong in the “By Topic” PowerPoint.
- You can use the GCSE Paper 1 Knowledge Organiser to catch up over the summer:
 - [SharePoint](#) -> DWHS Learning Resources -> #Knowledge Organiser -> Computer Science -> 2. GCSE Computer Science -> 0_Paper1Overall

Paper 2 Prep: Java Crash Course Booklet:

- We will use Java in A Level Computer Science because it makes learning Object-Oriented Programming easier than Python. If you did not learn programming thoroughly at GCSE, please use the GCSE Paper 2 Knowledge Organiser to catch up over the summer.
 - [SharePoint](#) -> DWHS Learning Resources -> #Knowledge Organiser -> Computer Science -> 2. GCSE Computer Science -> 0_Paper2Overall
- If you are using AI to support your learning, make sure you include the following at the beginning of your prompt:
 - “Act as an OCR A Level Computer Science expert. Teach me (a new Year 12 A Level student) this question: ...”
- For all the programming questions, write **OCR PsuedoCode** on the booklet and create the **Java Program** on **CodeHS**

Success criteria:

Paper 1 Prep:

- Complete the “By Topic” Past paper in black; mark it using the mark scheme in green.
- Create at least 10 flashcards for the questions you got wrong in the “By Topic” PowerPoint.

Paper 2 Prep:

- For all the programming questions, write **OCR PsuedoCode** on the booklet and create the **Java Program** on **CodeHS**

Useful resources:

Oracle Java tutorials: <http://docs.oracle.com/javase/tutorial/java/nutsandbolts/index.html>

Output using print and println: <http://docs.oracle.com/javase/tutorial/essential/io/formatting.html>

Using the Scanner to get text input: <http://stackoverflow.com/questions/11871520/how-to-use-the-scanner-class-in-java>

Switch in Java: <http://docs.oracle.com/javase/tutorial/java/nutsandbolts/switch.html>

Pre-reading for the course:

- Java in easy steps (6th edition) by Mike McGrath
<https://ineasysteps.com/wp-content/uploads/2017/11/Java-IES-6th-Ed-TOCCh1.pdf>

Textbooks for the course:

- A Level Computer Science for OCR Teaching Programming
- Author: Laura Dixon
- ISBN: 9781107465503
- Publisher: Cambridge University Press
- Date: June 2015

Submission:

Please note that it is the expectation of DWHS Sixth Form that all transition work is completed to a high standard. The successful completion of this work is an expectation of your Sixth Form offer.

Please have the work completed for the first lesson of each subject in Year 12.