Lancaster Girls' Grammar School

Learning Overview

Subject: Computing   **Head of Subject:** Miss J. Clapham   **Year:** Nine

Organisation of the Subject

Computing is taught in mixed form groups of 28 students. The students have one of lesson per week. Students are generally working between levels 5 and 8

Key Concepts (The big ideas underpinning the subject)	Key 'Learning Capacities' in this subject
• Programming in Python • Computer architecture • Data Representation • ICT in Society • E-Safety	• Solving problems independently • Using through-the-web technologies • Perseverance - especially if the work becomes challenging • Be able to give feedback to peers and implement feedback received

What will your daughter be learning?	How will your daughter be learning?
• Further Python skills • How a computer works. • How computers use binary • How technology has impacted our society • How to stay safe online	• Internet/book based research • Practicing skills on computer • Role playing • Exposure to various software • Providing feedback/support to others • Teacher based modelling / demonstration

How will learning be assessed?	What can you do to support your daughter?
• End of Unit Assessment • Assessment of individual pieces of work • Responses in class • Homework	Discuss uses for ICT and Computing in the real world Be knowledgeable about ways to help your daughter stay safe online. Use this website for ideas and advice https://www.saferinternet.org.uk/ Help her to differentiate between ICT and Computing as this will be important for making options decisions.

Equipment needed for this subject	Extra-Curricular / Enrichment Opportunities
It is not necessary for students to have a computer at home, though if it is available; it is useful if students are able to install the free software listed on the software section of the Computing page on the website. A pen, pencil and ruler are required in lessons. Some students like to use a pen drive to transport work home, while others prefer to email or Office 365.	The Computing labs are open every break, every lunch and before school. Students can use these to do work or printing for any subject, homework for Computing if a computer is not available at home. KS3 Code Club runs every Wednesday in Room 7

If you have any questions about this Learning Overview, please contact your daughter's subject teacher in the first instance.