Year group: 12	Term: 2	Unit duration: 6	Number of lessons: 15	Unit title: Databases - SQL

Assessment outcome: To be able to use databases to sort and organise data and to access them using SQL	Fertile question? How are large data sets stored in computers and how can we search, sort and use that data effectively?	
Key skills/concepts/knowledge that students should cover	**Start RAG**	**End RAG**
What is a database? How can we construct databases to store data? What elements make up a database? How can SQL (structured query language) be used to access data in a database?		

Stretch. Key skills/concepts/knowledge that students should cover		Literacy. Key vocabulary/subject terminology that students should cover
Create a relational database to store a complex data set and use SQL commands to access data from it.		1. Primary key 2. Foreign key 3. Relational database 4. SQL 5. NoSQL 6. Metadata 7. Consistency 8. Data redundancy 9. ACID 10. Cap theorem
		Suggested materials teachers could/should use TeachICT Computer Science Powerpoints/Worksheets
		Key home learning tasks students should complete Practice using SQL commands to find data in a database.