Databases Lesson Plan

Wednesday 8th February - Y13 - 50min Lesson

The aim of this lesson is to do a revision lesson on a few databases topics that students struggled with during recent mock exams.
After this lesson students should be able to:
- Complete entity relationship diagrams.
- Confidently write SQL that involves searching multiple tables.

10:55	Start the lesson with a Kahoot focusing on these 2 topics
11:05	**Types of Relationships** One-To-One, One-To-Many, Many-To-Many Match up exercise - matching up descriptions to types of relationships.
11:15	**Key Terms** Primary Key - attribute providing a unique identifier for each entity (row) in a table. Composite Primary Key - used when its not possible to form a primary key from a single attribute. Shared Attribute - an attribute that is in more than one table. Foreign Key - an attribute in a table that is the primary of another.
11:20	**Basics of SQL Statements** **SELECT …** **FROM …** **WHERE …** **ORDER BY …;** How we can interpret SQL questions.
11:25	**Query Practice Worksheet** Answer the 5 Questions on the sheet. It's unlikely that they will all have time to get through all of them but should be enough to keep the higher performers of the class
11:37	**MARKING** Post the solutions in teams and get all students to mark their own work.
11:42	**END LESSON** Finish up and ask students to complete a short survey to help evaluate their learning.