Northolt High School
Scheme of Learning Overview

Committed to excellence

Year group: **7**	Term: **2**	Unit duration: **6**	Number of lessons: **6**	Unit title: **Database**

Assessment outcome: To be able to store and manipulate data in a Database	**Fertile question? Why are databases used to store large sets of data?**	

Key skills/concepts/knowledge that students should cover	**Start RAG**	**End RAG**	**Literacy. Key vocabulary/subject terminology that students should cover**
Databases are the primary way in which data is stored in a computer system. Databases allow for ease of access, searching and sorting, manipulation and direct integration into software. There are two main types of databases, Flat file and Relational, and they are made up of fields, records and tables. **What is a Database?** **Why is it useful?** **What is the difference between a relational and flat file database?** **To be able to create a Database in Microsoft Access** **To be able to search, sort and manipulate data in a Database in Microsoft Access**			**Field** **Record** **Table** **Key** **Data** **Information** **Data types** **Relational** **Flat file**
Stretch. Key skills/concepts/knowledge that students should cover. **To be able to query a database using Microsoft Access in order to retrieve specific data.**			**Suggested materials teachers could/should use** **TeachICT** **BBC Bitesize** **Computer Science powerpoints/worksheets**
			Key home learning tasks students should complete **to be set in lessons**