****

**Knowledge Rich Curriculum Plan**

Year 8 - Topic 6: Project Management



| **Lesson/Learning Sequence** | **Intended Knowledge:**  *Students will know that… Students will know how to…* | **Tiered Vocabulary** | **Prior Knowledge:**  *In order to know this… Students need to already know that…* | **Assessment** |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| **1 – data base introduction** | * To understand how data is stored using tables, records and fields. * To identify differences between paper based and computer based databases. | Data  Table  Fields  Records  Report  Query  Primary key  database  Format  Cell  Cell reference  Font  Merge  Data type | * To know what is meant by the term data * To have an understanding that organisations store data about you | Questioning  Worksheet |
| **2 – validation rules** | * To fully be able to explain the difference between a field, cell and record * You will learn what a database is used and how they are used. * Understand what a data type is and what they are used for. * To understand that The primary key is a field that contains data that is unique for each record. * To begin to develop skills on Microsoft access such as validation rules and text. | data  Table  Fields  Records  Report  Validation  Query  Primary key  database  Format  Cell  Cell reference  Font  Merge  Data type | * To understand how data is stored using tables, records and fields. * To understand why data is stored using tables, record and fields | Retrieval task  Questioning  Worksheet |
| **3. Database searches** | * To understand how data is categorised into a range of data types * To effectively query a database to find specific information | data  Table  Fields  Records  Report  Validation  Boolean  Query  Primary key  database  Format  Cell  Cell reference  Font  Merge  Data type | * To know that data can be represented by a number of different data types * To have an understanding that databases can be searched to find specific information | Retrieval Task  Questioning  Worksheet |
| **4. Creating a database** | * To be able to develop a fully function database in Microsoft access * To be able to create a query and understand why we need them * To understand the job of a look up wizard | data  Table  Fields  Records  Report  query  Validation  Boolean  Query  Primary key  database | * To understand what the term fields means * To understand the use of a primary key * To understand the difference between datatypes |  |
| **5 queries** | * To understand what a query is * To understand why we use queries in databases * To understand how to create a query | data  Table  Fields  Records  Report  query  Validation  Boolean  Query  Primary key  database  Format  Cell  Cell reference  Font  Merge  Data type | * Basic functions SUM, AVERAGE, MIN and MAX in a spreadsheet. * COUNTA function to find any cells that contain data. | Questioning  Worksheet |
| **6 Assessment** | * Students will know how to answer the end of unit assessment using their prior knowledge.   Students will know how to improve on their work from previous lessons in the unit. | Students will need to use all of the vocabulary from the previous lessons. | Students need to know all of the intended knowledge from the previous lessons in the unit. | Questioning  Worksheet |