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| **Lent 2**  **Subject Computing: Data and information Year 3 Medium Term Planning** | | | | | | |
| **National Curriculum Objectives**   * Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information * Use technology safely, respectfully and responsibly | | | | | | |
|  | Lesson 1 | Lesson 2 | Lesson 3 | Lesson 4 | Lesson 5 | Lesson 6 |
| **Learning intention for each lesson:** | I know how to recognise how text and images convey information | I know how to recognise that text and layout can be edited | I know how to create a branching database | I know how to explain why it is helpful for a database to be well structured | I know how to plan the structure of a branching database | I know how to independently create an identification tool |
| **Recall and retrieval** | esafety scenario  and sharing existing knowledge | esafety scenario  How have the objects been separated. | esafety scenario  How can I create a sub group. | .esafety scenario  Complete the branching database. | esafety scenario  Compare the branching databases. | esafety scenario  Where would the answer to the question fit in the branching database. |
| **Sequence of knowledge throughout the lesson**  **:** | **Key knowledge**   * I know how to investigate questions with yes/no answers * I know how to make up a yes/no question about a collection of objects * I know how to create two groups of objects separated by one attribute | **Key knowledge**   * I know how to select an attribute to separate objects into groups * I know how to create a group of objects within an existing group * I know how to arrange objects into a tree structure | **Key knowledge**   * I know how to select objects to arrange in a branching database * I know how to group objects using my own yes/no questions * I know how to test my branching database to see if it works | **Key knowledge**   * I know how to create yes/no questions using given attributes * I know how to compare two branching database structures * I know how to explain that questions need to be ordered carefully to split objects into similarly sized groups | **Key knowledge**   * I know how to independently create questions to use in a branching database * I know how to create questions that will enable objects to be uniquely identified * I know how to create a physical version of a branching database | **Key knowledge**   * I know how to create a branching database that reflects my plan * I know how to work with a partner to test my identification tool * I know how to suggest real-world uses for branching databases |
| **Scaffolding** | fewer groups | Peer support | simple branching | Simple questions | Mixed ability partner | Mixed ability partner |
| **Challenge** | more groups | Be a mini teacher | more complex branching | More complex questions | Mixed ability partner | Mixed ability partner |
|  | **Key Vocabulary**  Attribute, value, questions, table, objects | **Key Vocabulary**  Branching database, database, attribute, value, questions, objects, equal, even, separate | **Key Vocabulary**  Branching database, database, attribute, value, questions, objects | **Key Vocabulary**  Branching database, attribute, questions, structure, compare, order, organise | **Key Vocabulary**  Branching database, attribute, value, question, selecting | **Key Vocabulary**  Branching database, attribute, value, questions, information, decision tree |