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| **UKS2 Cycle A**  |
| **Term** | **Unit** | **Just At** | **At** | **Above** |
| Autumn 1 | Systems and Searching | Explain a system is a set of interconnected parts that work togetherComputers can be connected to make a systemCan describe the input and output of a computer system | Explain why the order of results in a search engine are importantExplain the role of a web crawler within a search engineExplain how search results are selected and displayed | Identify limitations with some search enginesEvaluate the effectiveness of certain search enginesCan describe the role of a particular IT system within their lives |
| Autumn 2 | Flat File Databases | Can explain that a computer program can be uses to store and organise dataCan choose different ways data is viewed and use tools to select data to answer a question | Can use appropriate filters to sort data Can use ‘AND’ ‘OR’ options to search for multiple criteriaCan ask questions that require more than one answer to meet the criteria | Select appropriate graphs to view data more easilyChoose suitable ways to present dataCan choose multiple criteria for a search and apply relevant filters |
| Spring 1 | Webpage Creation | To be able to recognise a web page contains different media typesCreate a blank web page and add textConsider the ownership and use of copyright | Be able to embed media into a web pagePreview a web page on different screen size and devicesWith support, insert hyperlinks between pages | Independently, insert hyperlinks to other sitesUnderstand the implications of linking to content owned by others and suggest ways around this |
| Spring 2 | Selection in Physical Computing | Can explain a condition can only be true or falseCreate a condition controlled loopWith support, can compare a count-controlled loop with a condition-controlled loop | Use a condition in an ‘if…then…’ statementExplain a loop can be used to repeatedly check whether a condition has been met | Independently, use a condition ‘if…then…else…’ statement to produce given outcomesExplain the importance of instruction order in ‘if…then…else…’ statements |
| Summer 1 | Vector Drawing | Can add, select single or multiple and delete objects within a drawingWith support, is able to duplicate, reposition and modify objects | Independently, is able to duplicate, reposition and modify objectsRecognise vector drawings are made up of layered objects and can be scaled without impacting quality | Can combine options to achieve a desired effectCan consider the impact of their choices and make suitable amendments for a given purpose |
| Summer 2 | Selection in Quizzes | Explain that a condition can only be true or falseRelate that a count-controlled loop contains a condition and can create a count-controlled loopCan use a condition in an ‘if…then…’ statement | Use selection to switch program flowCan compare a controlled loop with a condition-controlled loop and explain when is the appropriate time to use either | Can use a ‘if…then…else…’ to switch program flow in one of two waysExplain the importance of instruction order in ‘if…then…else…’ statements |