



Subject Level Descriptor Template

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| Department | Computer Science | Year Group | 8 | Assessment | Number Base Quiz |
| Assessment Summary | Pupils will be assessed on their coding based on two criteria; a) the complexity of the coding constructs they have used in their quiz, and b) the independence and creativity with which they can apply these. | | | | |

| | Coding |
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| Level 1 | a) Simple variables, including input from user & simple if/else statement b) Pupil is still heavily reliant on adult/peer assistance to create working code i.e. they are unable to independently use the scaffolding programs to complete tasks without direct intervention from an adult/capable peer |
| Level 2 | a) As above, plus use of an if/elseif/else statement for more sophisticated selection tasks (first 4 elements of learning ladder must be completed for level 2) b) Pupil is able to use the scaffolding programs to independently complete simple tasks. However, they will still require adult/peer assistance to complete some of the more complex tasks. |
| Level 3 | a) As above, plus use of a loop to cause a repeat of the question if required (Pupil must have completed at some of the "level 3" section of the learning ladder) b) Pupil is able to fluently and independently adapt a scaffolding program, to create coding constructs that run without errors and complete the tasks intended. Pupil is still using the techniques in the way demonstrated in the lesson i.e. there is no real creativity on their part, but replicating techniques in the way that they have been taught. |
| Level 4 | a) As above, plus use of looping through an array using a for loop b) Pupils is still using scaffolding, but is now correcting deliberate errors in code that uses a for loop and a single array. |



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| Level 5 | <p>a) As above, plus at least at least one extension tasks completed, which involves learning a new coding technique from pre recorded tutorials</p> <p>b) As above, but pupil is able to independently work out how to use a coding construct not explicitly covered in lessons. These constructs must be combined with the previous ones to creatively and independently complete one of the extension tasks.</p> |
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