Computing end of year expectations – **Year 4** – All, Most and Some

A) Computer Science	**Coding, Online safety, Logo, Effective Searching, Hardware Investigators** ALL: 1. I can turn a real-life situation to solve into an algorithm, using a design that shows how I can accomplish this in code. ALL: 2. I can use repetition in my code. For example, using a loop that continues until a condition is met such as the correct answer being entered. ALL: 3. I can use timers within my program designs more accurately to create repetition effects. For example, I can create a counting machine. ALL: 4. I can use selection (decision) in my programming. For example, using an 'if statement' for a question being asked and the program takes one of two paths. ALL: 5. I can use variables within my program and know how to change the value of variables. MOST: 5. I can explain why it is useful to use variables within my program. ALL: 6. I can use the user inputs and output features within my program, such as 'Print to screen'. ALL: 7. I can identify errors in my code by using different methods, such as steeping through lines of code and fixing them. ALL: 8. I can read programs that contain several steps and predict the outcomes with increasing accuracy. ALL: 9. I recognise the main component parts of hardware which allow computers to join and form a network. ALL: 10. I understand that network and communication components can be found in many different devices which allow them to join the internet.
B) Information Technology	**Coding, Spreadsheets, Writing for a difference audience, Animation, Effective Searching, Making Music** ALL: 1. I understand the purpose of a search engine and the main features within it. ALL: 2. I can look at information on a webpage and make predictions about the accuracy of information contained within it. MOST: 2. I can explain how I know which webpages may be more accurate. ALL: 3. I can create and improve my solutions to a problem based on feedback. For example, create a program using 2Code. ALL: 4. I can review solutions that others have created, using a checklist of criteria. MOST: 4. I can create my own checklist of criteria. ALL: 5. I can work collaboratively to create content and solutions. ALL: 6. I can share digital content using a variety of applications such as: 2Blog, 2Email and Display Boards.
C) Digital Literacy	**Online Safety** ALL: 1. I have a good understanding of the online safety rules we learn at school. ALL: 2. I can demonstrate how to use different online technologies safely. ALL: 3. I can demonstrate how to use a few different online services safely. ALL: 4. I know I have a right to privacy both on and offline. ALL: 5. I recognise that my wellbeing can be affected by how I use technology. MOST: 5. I can explain how to ensure my wellbeing is looked after when using technology. ALL: 6. I can report with ease any concerns with content and contact online and know immediate strategies to keep safe.