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| **Alan Turing** | | **Admiral Grace Hopper** | | **James Gosling** | |
|  | What contribution did Alan Turing make to Computer Science? |  | What contribution did Admiral Grace Hopper make to Computer Science? |  | What contribution did James Gosling make to Computer Science? |
| The Turing test was devised to determine whether the user interaction is that of a human or a computer.  Why do you think a computer would find it difficult to answer preference-based questions? | Hopper was the first to refer to a computer problem as a “bug” and to speak of “debugging” a computer.  How did the term ‘bug’ come about? | He did the original design of Java and implemented its original compiler and virtual machine.  What is a virtual machine? |
| CAPTCHA is another measure used to determine whether it’s a human or a computer mainly for security purposes.  Explain a few reasons why a computer would find it hard to read CAPTCHA. | What does the term ‘debugging’ mean? |
| **Lady Ada Lovelace** | | **Sir Tim Berners-Lee** | | **Steve Jobs** | |
| Ada Lovelace: Original and Visionary, but No Programmer | OpenMind | What contribution did Lady Ada Lovelace make to Computer Science? |  | What contribution did Sir Tim Berners-Lee make to Computer Science? |  | What contribution did Steve Jobs make to Computer Science? |
| Lady Ada Lovelace make a significant contribution to the development of the Analytical Engine.  Explain the purpose of the ‘Analytical Engine’. | What is the difference between the internet and the World Wide Web (WWW)? | How did the introduction of the smart device change how we access the internet in our everyday lives? |
| Explain how the World Wide Web works. |