Speak like a Computer Programmer

**Sentence Stems**

* I liked/I disliked…
* I think that…
* I made/did this because…
* I think I can make/could have done this better by…
* The purpose of my product is …
* In my opinion, I feel that I can improve this by…
* I believe this programme is (good/bad) because ….
* I found the process/skill of … the most challenging, because…
* Based on my design criteria, I believe …
* I believe this was ambitious because…
* You could improve this (product) by…maybe you could try…
* I used the process/skill of … because …
* I can transfer the skill of… to …
* The problems I faced were…I overcame these by…
* Based on the design brief I was presented with….
* Possible improvements may include…
* This programme has met/not met the brief because …
* In my opinion the programme was/was not successful because…
* I have come to the conclusion that…
* The evidence/facts lead to…
* The computer aided design helped me to…
* To create my programme, it was essential to understand…
* When I began to debug my programme, I found that…
* The functional properties which I am proud of, are…

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| **Strategies for developing oracy in Computing** | **Purpose and impact** |
| **Defending Conclusions Reached** | By defending conclusions, using given sentence stems, students think more critically about given computational evidence, arguments and perspectives; pupils develop their analysis of problems in computational terms, their evaluation of information technology and their understanding of the  fundamental principles of computer science. |
| **Group Discussion** | The purpose of group discussion is to equip pupils to use thinking and creativity to understand and change the world.  Furthermore, group discussion in computing is designed to make links with mathematics, science and the DT curriculum. |
| **Self-Reflection** | Through the oracy progression, students are invited to change their mind based on what they have heard. In doing so, pupils become responsible, competent, confident and creative users of information and communication technology. |
| **Digital Literacy** | Within computing, we ensure the correct vocabulary is used to ensure the digital literacy of our pupils – able to use, and express themselves and develop their ideas through, information and technology – at a level suitable for the future workplace and as active participants in a digital world. |
| **Online Safety** | At St Martin’s, we ensure online safety is discussed at the start of  each lesson. Students are expected to verbally articulate the importance of online safety using given sentence stems. |