**Thinking and reasoning stems to help deepen pupils’ learning for Computing**

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| \_\_\_\_\_\_\_thinks that \_\_\_\_\_\_\_\_\_. Do you agree? Explain your answer. | I think…  I agree because I know that….  If you…  For example,...  To prove this, you only have to... |
| \_\_\_\_\_\_\_\_thinks\_\_\_\_\_\_; however, \_\_\_\_\_\_\_\_\_\_\_thinks\_\_\_\_\_\_\_\_\_\_\_. Could you convince the person who is wrong that they are wrong? | I know you are wrong because…  Your answer is incorrect because…  You have ...whereas you should have…  A better way might have been to…  A more effective method would be to... |
| Can you explain the process…  What happens when? | The process is... |
| Can you prove the following statements: | I can prove this by…  To prove this, you have to…  This demonstrates that…  This clearly shows that... |
| What does this script do? | This script \_\_\_\_\_\_\_\_  If you change the \_\_\_\_\_\_\_\_\_\_\_\_ block, the script will now \_\_\_\_\_\_\_\_\_\_\_\_. |
| Can you spot the bugs in this script? | One bug is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  Another bug is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| Which of these keyboard shortcuts will \_\_\_\_\_\_\_\_\_\_? | The correct keyboard shortcut is \_\_\_\_ + \_\_\_\_. |
| Which camera angle and/or techniques have been used to create this photo/video? | The camera angle is a \_\_\_\_\_\_\_\_\_\_\_\_\_.  The technique(s) used are \_\_\_\_\_\_\_\_\_\_\_\_\_. |
| Teach your partner to \_\_\_\_\_\_\_\_\_\_\_\_\_. | First\_\_\_\_\_\_\_\_\_  Next\_\_\_\_\_\_\_\_\_  Finally\_\_\_\_\_\_\_\_\_ |
| What makes this an effective presentation and why? | This is an effective presentation because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| Which of these are ok to share online, and why? | (Multiple choice answers)  This is ok/not ok to share because \_\_\_\_\_\_\_\_. |
| \_\_\_\_\_\_\_\_\_ has been sent a \_\_\_\_\_\_\_\_\_\_. Is this an example of cyberbullying, and if it is, what should he/she do about it? | This is/isn’t an example of cyberbullying because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.  \_\_\_\_\_\_\_\_\_\_\_\_\_ should \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |