**Scientific Argumentation/Explanation Writing Frame**

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| **What You Need to Write** | **Sentence Starters** |
| ***Make a claim that answers the question you developed or were given.*** | * I claim that … * The … (e.g., is, does) … |
| ***Support your claim with evidence from your investigation*(*s*)*, reading, videos, etc. Use all data that counts as evidence, including both qualitative and quantitative evidence.  Units should be used with quantitative evidence.*** | * I think this because … * For example, … * For instance, … * The evidence is … * The data show … * The (data or graph) provide evidence that….. |
| ***Add support from additional evidence you have from your investigation*(*s*)*, reading, videos, etc.*** | * In addition, … * Furthermore, … * Also, … |
| ***Add scientific reasoning if required. These are scientific principles that link the claim and evidence.  It tells why the data counts as evidence.  Be sure to include at least ONE CROSS- CUTTING CONCEPT*.** | * … because … * I think this because * Using (insert crosscutting concept) explains why or how … |
| ***Provide the claim of another person/group that answers the question you developed or were given.*** | * Another person or group claims that … * The … (e.g, is, does) … |
| ***Provide the evidence for another (different) claim.*** | * He/She/They think this because … * For example … * For instance … * The evidence is … * The data show … * The (data or graph) provide evidence that … |
| ***Provide a rebuttal*** | * Even though … * I agree that …, but I cannot agree with … * While it is true that … * Admittedly … * Granted … * Some people may say … * Some people think … |