**Arguments and Counterarguments**

**Day 5:**

Today you will make sense of the evidence and explanations you have gathered from a variety of sources so far. You are to generate a tentative argument and counterarguments to possible claims by others. Your argument needs to include a claim that is supported by sufficient evidence and adequate rationale. You will also need to develop a challenge for one alternative explanation.

**Claim:** a conjecture, conclusion, explanation or descriptive statement that answers a research question.

**Evidence:** refers to measurements, observations, or findings from other studies that have been collected, analyzed, and then interpreted by the researchers.

**Justification of evidence**: a statement or two that explains the importance and the relevance of the evidence by linking it to a specific principle, concept or underlying assumption. This statement provides the evidence or reasons that support or challenge a claim.

|  |  |
| --- | --- |
| **The Research Question:** What is causing the honeybee population decline and CCD? | |
| **Your Claim:** |  |
| **Your Evidence:** | **Your Justification of Evidence:** |

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Presentation example on **poster paper**:

|  |  |
| --- | --- |
| **The Research Question:** What is causing the honeybee population decline and CCD? | |
| **Your Claim:** |  |
| **Your Evidence:**  (Including statistics, graphs, charts, cause and effect organizer….) | **Your Justification of Evidence:** (number or bullet your justification of evidence pieces) |