**Handout 8: Final Product Rubric**

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| --- | --- | --- | --- | --- |
| **Criterion** | **4** | **3** | **2** | **1** |
| Claim – a statement that answers the driving question: How can we lower the incidence of sudden death in athletes?(20 points) | * Scientifically accurate
* Completely answers the question

  | * Scientifically accurate
* Nearly completely answers the question
 | * Partially scientifically accurate
* Partially answers the question
 | * Is not scientifically accurate overall
* Does not adequately answer the question
 |
| Evidence – scientific data that supports your claim(20 points) | * The data are scientifically appropriate to support the claim.
* Sufficient and convincing data are presented to support the claim.
 | * The data are scientifically appropriate to support the claim
* The data are basically sufficient and convincing, but tend to be more general and not as specific and in-depth
 | * The data relate to the claim, but are not entirely scientifically appropriate
* The data are not sufficient, though generally support the claim
 | * There is some evidence provided, but it is not logically linked to the claim or scientifically appropriate
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| Reasoning – a justification that links the claim and evidence.(20 points) | * Reasoning clearly links evidence to claim
* Explains why data count as evidence by using appropriate scientific principles
* There are sufficient scientific principles to show in-depth content understanding
 | * Reasoning adequately links claim to evidence
* Includes related scientific principles, but does not show why data count as evidence
* Reasoning tends to be more general and shows only partial depth of content understanding
 | * Reasoning does not adequately link claim to evidence, or clarify why data count as evidence
* Includes related and non-related scientific principles, and shows little depth of content understanding
 | * Reasoning is clearly insufficient and relates only tangentially to claim
* Scientific understanding is very limited
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| Recommendations for Audience(10 points) | At least five appropriate and accurate recommendations/strategies to prevent incidence of heat-related illness | Only four appropriate and accurate recommendations/strategies to prevent incidence of heat-related illness | Only three appropriate and accurate recommendations/strategies to prevent incidence of heat-related illness | Only one to two appropriate and accurate recommendations/strategies to prevent incidence of heat-related illness |
| Written Communication(10 points) | No spelling and grammar errors. Information is fluent and easy to follow. | One to two spelling and grammar errors. Information is fluent and easy to follow. | Three to five spelling and grammar errors. ORInformation is not easy to follow. | Multiple spelling and grammar errors. AND Information is not easy to follow. |
| Presentation/Final Product(10 points) | Appropriate to audience, clear language, easy to read, engaging diagrams, focused topic | Appropriate to audience, fairly clear language, easy to read, focused topic, few visuals included | Appropriate to audience, unclear language, somewhat easy to read, focused topic, no visuals included | Somewhat appropriate to audience, unclear language, not easy to read, unfocused topic, no visuals included |
| Time-Management(10 points) | Worked well with team and stayed on task |  |  | Did not work well with team and/or stay on task |

Note. CER rubric components adapted from McNeill and Krajcik, 2012.

Total = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_/100