**Study Outline**: TURTLE INCUBATION TEMPERATURE EFFECT ON PREDATOR AVOIDANCE

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| Scientific Method |  |
| scientific method.jpg | 1. Question:   Who do we release and who do we keep?  **Keep Most fit:**  + Benefits pop making sure the best genes make it   * Might have been ok on its own, making it a waste of resources   **Keep Crappy turtle:**  + improve survivorship of a turtle that probably wouldn’t have made it on its own.  + save more turtles overall.   * waste of resources * this turtle makes it when it shouldn’t have and it spreads its crappy gene to the pop. |
| 1. Research: See Back   Article |
| 1. Hypothesis:   If a turtle flips over faster  Then it is more fit  Because it would be more adapted to avoid predation |
| 1. Test Hypothesis:    1. Method – how are you going to collect data?   Turtle Righting time: How quickly they flip from being placed on their back (carapace) to their belly (plastron).   * 1. What will your exp. Look like? * 3 trials, averaged (why take average of 3 and not just one measurement?) * Individually done * Note how there are held and any reason for that particular position * time measured using a iphone timer |
| 1. Analyze your data:    1. Make data collection sheets |