HYPOTHESIS TESTING / WORKSHEET

FIRST ITERATION

"I believe that if we _____, then _____ will result."

COMPONENTS OF A STRONG HYPOTHESIS

1. The change that you're testing.
2. What impact you expect.
3. Why you expect it.
4. Who you expect it to impact.
5. By how much.
6. After how long.

REVISED ITERATION

"I believe that if we [action to be taken], then [needle to move] will [impact you expect] for [target population] by [how much] within [time period] because [why you think it will work]"

EXAMPLE: BEFORE AND AFTER

I believe that if we expose aphid-infected plants to ladybugs, the number of aphids will be reduced.

VS.

"I believe that if we release more than 1,500 convergent ladybugs at night onto wet plants with at least 50 aphids per plant, after 3 days those plants will have 80% fewer aphids because the ladybugs that remain will eat 50 aphids per day per ladybug"