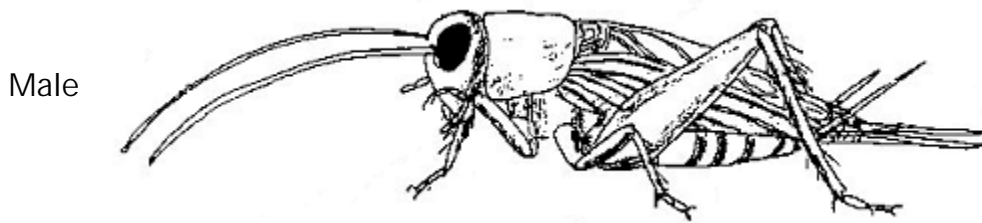


# Jiminy Crickets!

## Exploring the Scientific Method



### The Scientific Method:

Observations



Question and Hypothesis



Experiment



Results/Draw Conclusions



Revise Hypothesis

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1. Make observations of the behavior of the male cricket for 5 minutes: put check marks under the behaviors the cricket exhibits for each minute. If a cricket does a behavior more than once in a minute then check the behavior box more than once. This list does not cover every behavior of the cricket, so make detailed observations in the space below the table.

Territorial Cricket Alone

Time (minutes)	Hiding under tent	Eating	Chirping	Jumping around	Cleaning
1					
2					
3					
4					
5					

Write down additional observations here:

2. Add another male cricket to your habitat. Give them 5 to 15 minutes to acclimate to each other. Then, for 5 minutes, make detailed notes of their behavior and where it occurred. Write everything you see in each minute. Potential behaviors: Antennae cleaning, jumping on back, pushing, chirping, one cricket hiding from another, etc.

Territorial Cricket +Additional Male Cricket

Time Start:	
Time End:	
Minute 1	
Minute 2	
Minute 3	
Minute 4	
Minute 5	

Write down any additional results here:

3. This time add a female cricket. Give them 5 to 15 minutes to get use to each other. Again, write down detailed observations of everything you see in each minute for 5 minutes. Also write down where the aggressive behavior happened

Territorial Cricket + Additional Male Cricket + Female Cricket

Time Start: Time End:	
Minute 1	
Minute 2	
Minute 3	
Minute 4	
Minute 5	

Write down any additional results here:

4. Now, it is your turn to perform the scientific method! Think of a question you would like to ask (for example, are larger male crickets more aggressive than smaller males?), hypothesize what the results might be, conduct an experiment and describe the results. In a short paragraph, write your question, hypothesis, experiment and final results. You can post these on our blog at [www.laddersprogram.blogspot.com](http://www.laddersprogram.blogspot.com). We'd love to read them!

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