

Team Name:

Team
Number

Arthropod Collection Scoring Rubric

Note: Specimens are only considered for point value if they are adults or nymphs, local in origin, in good condition, pinned/recognizable in photo and collected or photographed within a year of the Science Olympiad competition date and only by the team members. Duplicate specimens are not considered for point value.

4 Points for each unique ARTHROPOD CLASS collected and properly identified (maximum 5 unique classes)				
ARTHROPOD CLASS	YES	NO	Comments	Points
Arachnida				
Branchiopoda				
Chilopoda				
Diplopoda				
Malacostraca				
Maximum Possible Points = 20				TOTAL

3 Points for each unique INSECT ORDER collected and properly identified (maximum 10 unique orders)				
INSECT ORDER	YES	NO	Comments	Points
Blattodea				
Coleoptera				
Dermaptera				
Diptera				
Ephemeroptera				
Hemiptera				
Hymenoptera				
Mantodea				
Megaloptera				
Neuroptera				
Odonata				
Orthoptera				
Tricoptera				
Other				
Other				
Other				
Maximum Possible Points = 30				TOTAL

1 point per unique specimen (no points for duplicates) adhering to the collection rules		
Number of Specimens	Comments	Points
Maximum Possible Points = 30		TOTAL

Quality of Work and Adherence to the Rules		Points Deducted (up to 20 total)
<i>All teams start with the full point total for quality of work and adherence to the rules. Points will be deducted at the Supervisor's discretion if the following criteria/rules were not successfully met. Not meeting any one of the following rules could result in up to a 10-point deduction.</i>		
Rules	Comments	Minus
<u>All collections</u>		
All specimens are clearly grouped first by Class, then by Order (for Class Insecta only)		
All specimens are clearly labeled with date, location (state, county, nearest city), behavior and name of collector?		
Team number and team member name(s) clearly identifiable?		
<u>Specimen collections</u>		
Collection box meets size requirements ($\leq 16.5 \times 19$)?		
Professional insect pins used properly?		
Vials, if needed, used properly and set in place with pins?		
<u>Photographic collections</u>		
Photograph collection album or poster ($< 24 \times 36$)		
Camera and lens used are described for each picture?		
Photos are cropped to emphasize the subject and do not include excess background or blank space?		
<u>Additional Comments</u>		
Total point deduction		

DEDUCTIONS. Points may be deducted at the Supervisor's discretion under these circumstances:	Minus
If it appears the team misrepresented their arthropod collection (e.g., photos of specimens that the team did not take, pinned specimens that the team did not collect/preserve, or reused photos/specimens from previous years).	
If it appears the collection was assembled by an adult.	

POINT TOTALS		
<u>CATEGORY</u>	<u>POINTS POSSIBLE</u>	<u>YOUR TEAM'S POINTS</u>
Arthropod Class	5 Classes x 4 = 20	
Insect Order	10 Orders x 3 = 30	
Number of Specimens	30 Specimens x 1 = 30	
Quality of Work	Criteria & Rules = 20	
Deductions		
	POSSIBLE TOTAL = 100	TEAM TOTAL