

2012-2013 SCHOOL YEAR



NATIVE POLLINATOR STUDIES WITH

DON THE BEEKEEPER



Don Shump is the owner of the Philadelphia Bee Company, the largest beekeeping operation in Philadelphia and one of the largest urban beekeeping establishments in the United States. Don has presented for grade schools, colleges, groups and events including the Philadelphia International Flower Show.



Native bees have been pollinating flowers for millenia. We're all familiar with bumblebees, but did you know there are more than 16,000 other types of bees? Yet little is understood about these close relatives. Don has trained under the nation's top scientists to teach kids about this exciting subset of entomology. The Native Bee Program introduces students to the world of bee studies through contextual learning. Students taking in the part in the program will get a hands on experience using the same techniques as the top researchers in the field. This program is tied to the United States Geological Survey and the research done by students will be used by scientists around the globe.



PROGRAMS

NATIVE BEE STUDY PROGRAM

THE NATIVE BEE STUDY PROGRAM PROVIDES STUDENTS WITH AN OPPORTUNITY THROUGH HANDS ON DATA COLLECTION AND RESEARCH TO LEARN ABOUT THEIR ENVIRONMENT AND TO BE PART OF A REGIONAL RESEARCH PROGRAM TO COLLECT DATA ABOUT NATIVE POLLINATORS.

THIS PROGRAM IS DESIGNED TO APPLY CONTEXTUAL LEARNING. STUDENTS WILL BE EXPOSED TO THE CONCEPTS OF TAXONOMY, ENTOMOLOGY, AND RESEARCH TECHNIQUES USED BY THE TOP SCIENTISTS IN THE FIELD.

THE PROJECT ELEMENTS ARE:

- COLLECTION OF NATIVE BEE SPECIMENS PRESENT AT YOUR SCHOOL
- PREPARATION OF SPECIMENS FOR IDENTIFICATION OF SPECIES
- IDENTIFICATION OF SPECIES COLLECTED
- SUBMISSION OF DATA TO THE UNITED STATES GEOLOGICAL SURVEY
- DATA REGARDING NATIVE BEE POPULATIONS
- PRESENTATION OF FINDINGS AND A SPECIMEN COLLECTION FOR THE SCHOOL

TEACHERS AND STAFF CAN EMAIL DON ANYTIME WITH BEE RELATED QUESTIONS.

THE PROGRAM LASTS FROM SPRING TO FALL AND COSTS \$1200. I MAKE EVERY ATTEMPT TO KEEP THE PROGRAM FLEXIBLE SO THAT SCHOOLS CAN MEET SPECIFIC NEEDS. PLEASE DO NOT HESITATE TO MAKE REQUESTS.



DETAILS

CONTACT

TO SETUP A PROGRAM, PLEASE E-MAIL DON SHUMP AT DON@PHILADELPHIABEE.COM OR CALL 267.307.8405

COST

POLLINATOR STUDY PROGRAM: FOR SCHOOLS THAT ARE WITHIN LOCAL DRIVING DISTANCE (APPROXIMATELY A TWO-HOUR DRIVE), THE COST IS \$1,200 WHICH INCLUDES INTRODUCTORY VISIT, SPECIMEN PICKUP AND PRESENTATION OF FINDINGS. (DON IS BASED OUT OF PHILADELPHIA, PA.)

CUSTOM PROGRAMS: PRICED BASED ON NEEDS.

EQUIPMENT

- A SCREEN FOR PROJECTING SLIDES
- LCD PROJECTOR
- A HAND-HELD MICROPHONE IF SPEAKING TO GROUPS LARGER THAN 75

SUPPLIES FOR SPECIMEN COLLECTION AND PREPERATION WILL BE PROVIDED