4-H Training Topics - Project Butterfly Wings

Background:

Project Butterfly Wings is designed for school-age and middle school youth in grades 4-8 or ages 9-13. It is one of the 4-H Science, Engineering and Technology (SET) components for working with youth in a non-formal science education setting.

Resource:

Create a Skill-a-thon, Leader Guide, pages 27-28;

WINGS Words and Butterfly Body Parts, Leader Guide, pages 48-49;

It's All In the Family, Activity #7, Leader Guide, pages 27-28;

Youth Guide, page 96;

It's All In the Family, Youth Guide, pages 53-57.

Materials Needed:

Sign-in sheet, copies of resources listed above; colored pencils, markers, pencils, pens, scissors and two tables for the skill-a-thon.
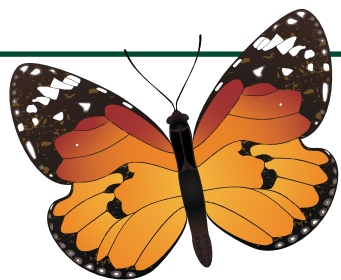
Cost: Guides cost $7.95 each or $15.50 for a set.

Preparation Time:

Review the activity in both guides and understand how to do the skill-a-thon. Make copies of required materials.

Arrange tables and chairs in classroom style. Have materials easily available.

Allow 60 minutes for preparation and set up.

1 Welcome and Introductions

What to Do	What to Say	Minutes
Have participants sign in and mingle with other participants.	While we are waiting for everyone to arrive mingle and share any experiences you have had studying or collecting butterflies. It might be that many of you enjoy watching butterflies and maybe there are some who make observations or collect butterflies.	5

2 Curriculum

What to Do	What to Say	Minutes
Show the guides, pass them around.	Take a few minutes to look at the **Youth and Leader Guides**. Notice that they both have 11 activities but they aren't exactly the same. The **Leader Guide** also has additional resources useful throughout the project. Are there any questions?	5

3 Staff Introductions

What to Do	What to Say	Minutes
If you and the staff know each other skip this step.	Please introduce yourself and tell us what experience you have using 4-H SET curriculum or studying butterflies and moths.	10

4 Doing an Activity

What to Do	What to Say	Minutes
Divide the group in two, label one group moths and the other butterflies. Give the moths group the **Leader Guide** handouts, **Create a Skill-a-thon, Leader Guide, pages 27-28**; **WINGS Words and Butterfly Body Parts, Leader Guide, pages 48-49; It's All In the Family, Activity #7, Leader Guide, pages 27-28.** Give the butterflies group the Youth Guide handouts-**Youth Guide, page 96; It's All In the Family, Youth Guide, pages 53-57**.	I would ask that all the moths sit to my left and butterflies to my right. Each group will develop a skill-a-thon using the materials provided. Read through the handout then set up the skill-a-thon station.	10
When stations are ready say:	It's time to participate in the skill-a-thon. Moth group, please go to the station the butterfly group has prepared and butterfly group work through the station prepared by the moth group.	

5 Sharing Ideas

What to Do	What to Say	Minutes
Ask questions about what happened.	Could this activity be done with school-age and middle school youth? What adjustments might need to be made? Will youth learn from this activity? When could a skill-a-thon be held?	5

6 Applying the Experience

What to Do	What to Say	Minutes
Discuss the activity and how skill-a-thons might be used throughout the program.	Skill-a-thons are a useful way to introduce information to others. How might skill-a-thons be used in other parts of the CYS Services program?	5

7 Making a Plan

What to Do	What to Say	Minutes
Make a plan for starting this project.	Now it's time to start planning for a butterfly project. Will youth be interested in studying butterflies and being a citizen scientist by counting butterflies and sending in their data? When can the project start? How many weeks will it take? Who will serve as the adult project leader? Has another planning meeting been scheduled?	5

8 Close

What to Do	What to Say	Minutes
Summarize and close.	We have just learned about *Project Butterfly Wings*. You can use the Express Guide to get more ideas for doing the project. Thanks for participating.	3