

PLANT SCIENCE CHALLENGE - Pollinators



Horticulture focuses on activities related to raising a garden or flowers. This includes planning, planting, experimenting, understanding soils, seeds, insects, plant care, harvesting, weed identification and control, processing, exploring careers and the relationship between trees, people and communities.

“Inspire Kids To Do”

SKILL BUILDING

Learn about pollinators and their impact on the environment. Plan, plant, and raise a pollinator garden.

GOALS

- Research different plant species that are beneficial to pollinators
- Discuss the benefits of pollinators to our environment
- Learn how to protect pollinators and provide resources for them

PROJECT IDEAS

- Create a container garden
- Plant a butterfly garden
- Hang planters around the area
- Build a Bee Hotel

SELF EVALUATION BEFORE

Using the rating scale below, answer the following:

- 1 = not at all
- 2 = a little
- 3 = a lot

I know how to...

- Identify a pollinator and how pollination works1 - 2 - 3
- Choose which plants are best to include in my garden.....1 - 2 - 3
- Plan a pollinator-friendly garden ...
.....1 - 2 - 3

Starting Out	Learning More	Expanding Horizons
<p>Learn About Pollinators Learn about native pollinators in my area. What are their habitat requirements?</p> <p>Select the pollinators that you want to attract.</p> <p>Discuss the pollinator garden budget with your parent or adult helper.</p>	<p>Learn About Pollinator Gardens Research pollinator-friendly plants that grow well in your area before you plan your design. Use the Plant Library from Dyck Arboretum to decide which plants are best for your area or ask your local extension agent for a list.</p>	<p>Design Your Garden Once you have researched which plants you would like to use, it is time to put a design together.</p> <p>Select your location.</p> <p>Map out your garden plan.</p> <p>Plant your pollinator garden.</p>

Plant Science Challenge – Pollinators

Challenge Instructions

Lesson:

<https://cottonwood.k-state.edu/lawn-garden/pollinators.html>

Kansas Plant List:

<https://dyckarboretum.org/native-plants/#!/all>

Learn More:

Build a Bee Hotel - <http://jmgkids.us/kids-zone/pollinator-hotel/>

Helpful Tips

Avoid using plants with red flowers as some pollinators cannot see red

Choose fragrant or plants with pleasant scents

Choose a spot for a garden that receives at least 6 hours of sunlight everyday

Have some type of water feature near your garden

Keep bird houses a safe distance away from your pollinator garden

Choose plants that produce flowers through both Spring and Summer

Leadership

Teaching someone what you have learned. *(Suggested for Intermediate and Advanced Levels.)*

- Taught lesson to other 4-H'ers
- Taught lesson to classmates/friends
- Invited friends and neighbors for a pollinator garden tour
- Other _____

Curriculum & Resources

kidsgardening.org

Dyck Arboretum Plant List
<https://dyckarboretum.org>

Pollinator People – Jr. Master Gardener - <http://jmgkids.us/kids-zone/jmgkidsweb/pollination/>

Life Skills Learned: *(Check all that apply.)*

- Positive Self-Concept
- Inquiring Mind
- Concern for Community
- Sound Decision-Making
- Healthy Interpersonal Relationships

Share:

- Create a small container garden for someone else
- Create a presentation of your pollinator garden to display at the Fairaces
- Post a picture of your pollinator-friendly gardens on social media and share how others can create their own
- Other _____

Evaluate Your Experiences!

What is the definition of pollination? _____

What are the necessary resources pollinators need? _____

Which color of flowers should you NOT use? _____

How many hours a day should a pollinator garden receive sunlight? _____

What was the most important thing you learned about planning a pollinator garden? _____

To complete the challenge, take a selfie while doing the educational activity. Upload the photo and answer a few questions about your challenge experience.

www.tinyurl.com/KS4HChallenge

SELF EVALUATION AFTER

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I know how to...

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Kansas4-H.org

Kansas Clover Classroom

Adapted from NW 4-H Advisory

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