

We hope you are enjoying the SC 4-H Honey Bee Project!



SC 4-H Honey Bee Project

By now, you should have received your record books and your goody back of items from the The Bee Cause. The books in your bag will be used during the Book of the Month Challenge," on

Padlett!

Check By now, you should have completed your Goals and Safety Sections! Your bees should have been installed by May 1st!

Setting SMART Goals • Specific - Be clear about exactly what the goal is and what will be done to achieve it.

- Try to give about what, when, where, why, and how. Measurable – Make sure you have a way to assess whether you have achieved your
- Attainable State how you believe reaching the goal is within your power. Relevant – State how the goal will help you to meet your overall goals as you
- participate in the Honey Bee Project.
- Time-Based You need to set a time by which you will complete your goal! Vol .01. 2 Newsletter

Feed the Bees ulip Tree/Yellow Poplar Yellow Poplar is one of the most important



Do you have food to feed your bees? Learn the native species around your hive to

understand where your bees are feeding! Lupine Lupine: Lupine comes in blue, purple, white, and yellow! In the eastern United States, perennial lupine is the most

common! Lupine attached bumblebees, mason bees, honey bees, and is a host

plant for many butterfly species! Coreopsis spp. Coreopsis are drought tolerant and easy to establish, making them important additions to wildflower meadows!

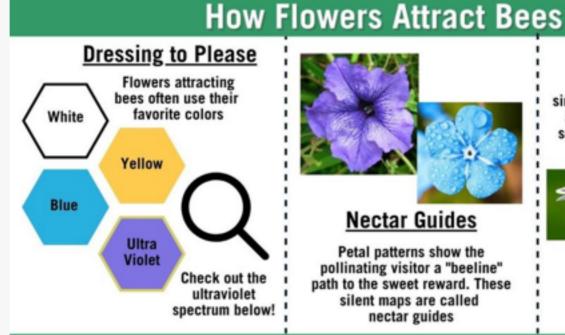


Blazing Star

Blazing Star or Llatris is an amazing native pollinator plant

> Tech To-Go The free phone app Seek by iNaturalist enables users to identify plants and more using photo recognition technology of photos they take!

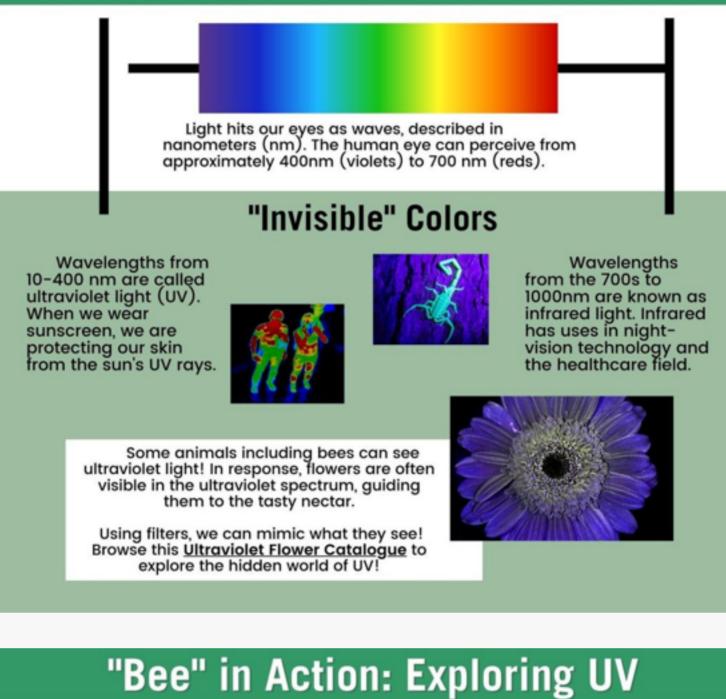
Know Your Audience:







Step Right Up



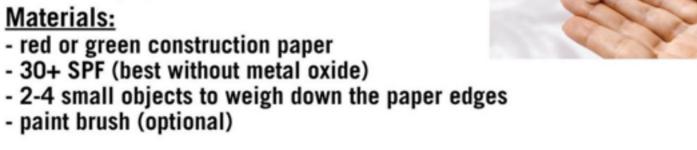
Sunscreen Painting By Space Place of NASA

Materials:

- paint brush (optional)

Instructions:

- red or green construction paper - 30+ SPF (best without metal oxide)



- Use sunscreen to paint a silhouette onto the paper **handprints work well too! - Put the paper outside in direct sunlight with weights - Leave the paper for 3-4 hours

- Retrieve your art, observing how the sunscreen protected the underlying paper while fading the background **Homemade UV Filter**

By McAuliffe-Shepard Discovery Center Materials: - smartphone with flashlight capability - write-on/matte transparent adhesive tape

- blue and purple markers



- Test the tape for compatibility with marker ink (should not be droplets) - Place tape over the phone's camera and light - Color the tape with the blue marker to cover the camera and light - Let the marker dry and add another piece of tape over the original

- Repeat adding tape and coloring with blue and purple until a dark purple filter is created when in the camera app - Turn on the phone flashligh - Explore the view with your camera app that mimics how a bee sees

- Color the tape with the purple marker to cover the camera/light

NOTE: this is a demonstration and does not replicate accurate wavelengths of UV light and is not an exact replica of bee vision

Cloverbud Challenge #2 Check out the pages entitled The Honey Bee's Biggest Enemies in your book. Read about the animals around the world that want to eat honey...and bees too! Which predator surprised you when you read about how it gets

Book Club Challenge

Use the Camera app on an iPhone or iPad to scan this QR Code for a quick link to your Padlet. Also, feel free to share positive and kind comments or other participants' answers and pictures.

the honey out of the hive or eats bees? Have you had predators

in your hive? Share your answers and include a drawing if you

like on the Cloverbud Group Padlet.

or show us some pictures!

for a quick link to your Padlet.

The Bee Cause Project:

Junior Challenge #2 Hope you've enjoyed spotting the queen in this book and in your own hive! Read through the sections about Foraging and Turning Nectar into Honey. What types of flowers have you observed the bees in your area foraging? Have you seen how the different nectar

participants' answers and pictures.

Also, feel free to share positive and kind comments or other

The Bee Cause Project:

your exams and finishing up the school year!

would love to see pictures of your hives!!!

Use the Camera app on an iPhone or iPad to scan this QR Code

your answers and pictures on the Junior's Group Padlet.

flow has affected the color of honey in the hive? Tell us about it Have any of the Queen Spotting Challenges stumped you? If so, tell us what pages so we can see if we are stumped too! Share

A Honeyed History



Book Club Challenge

for a quick link to your Padlet. Also, feel free to share positive and kind comments or other participants' answers and pictures.

Use the Camera app on an iPhone or iPad to scan this QR Code

Senior Challenge #2

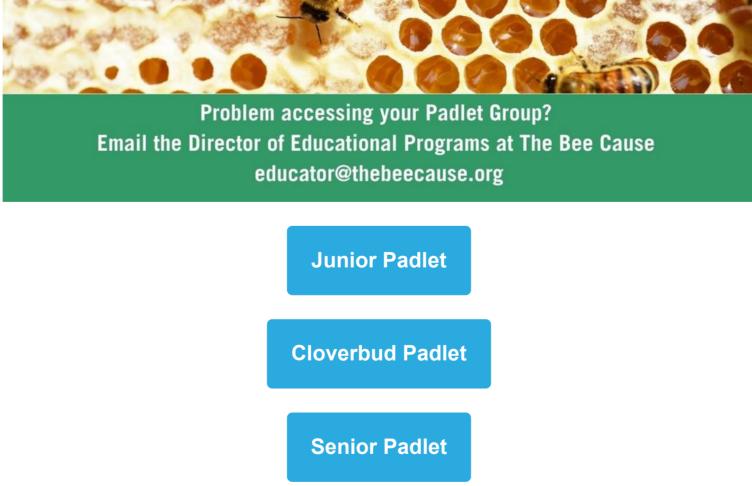
We would love to hear more from you, seniors! Good luck with

Chapter 2 is based on equipment and the hive bodies. What are some of your favorite tools or tricks that you have learned as a beekeeper? What kind of hive are you working with? We



BEEKEEPER'S

PROBLEM SOLVER





View this email in your browser

South Carolina 4-H Honey Bee Project