# City of Salisbury & Town of Berlin

Pollinator Friendly Places!

#### Dr. Surak's Senior Seminar Class, Fall 2018



Salisbury Zoo, Salisbury, Maryland

Berlin, Maryland

### **Pollinator Garden Template**





#### **D.I.Y Home Pollinator Garden**



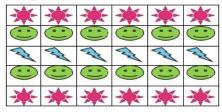
#### Why?

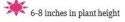
Whether a pollinator garden seems adventurous or daunting, it is a very easy project to help support local pollinators and other animals. The gardens are typically aesthetically appealing and easy to maintain. With pollinator gardens declining worldwide, it is important for you to do your part and build your own today! Gwing these lovely creatures a place to nest and teed will help support and sustain pollinator populations.

#### Benefits:

A simple native flower garden will attract butterflies, bees, bats, hummingbirds, and many other local critters. An estimate 75% to 95% of all flowering plants depend on pollinators. Supporting pollinator populations helps support healthy ecosystems, clean the air, support other wildlife, and stabilizes soil. Did you know that one out of every three bites of food you take is because of the work of these pollinators? Pollinators are responsible for adding 217 billion dollars to the global economy. Honey bees are responsible for adding between 1.2 and 5.4 billion dollars to the United States economy alone!

#### Example Layout:





🙂 2-3ft in plant height



#### Materials needed:

Pressure treated lumber (for raised bed), soil, hand cultivator (if planting in ground), & plants.

Possible Native Plants: Goldenrod, Firepink, Veronicas, Butterfly weed ... plenty of options! Ask local nursery!

#### Care for Plants:

Make sure plants have not been treated with any pesticides, pesticides will kill the pollinators. If plants are native, they will be easy to maintain! If planting in raised beds put extra soil around the plants. Do not use mulch. Weeds in your garden will help naturally fight off potential pests.

#### Location:

Sunny area with some potential wind protection. Provide sticks for pollinators to rest on garden floor.

Recommended Size for Raised Beds: 5ft in width and 8ft in length. Length can be adjusted. Beds should be at least 1-3ft deep. You will need 1-3 yards of soil.



Hello! I'm a busy honey bee! I'm just doing my job of pollinating the world and producing some sweet honey! I don't mind sharing my product, as long as you do your part of protecting me, my habitat and other pollinators! Help decrease the decline in my population from 44% in the U.S. to an even lower percentage! 0



### Social Media Cache

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Make Post Photo/Video Album

Live Video



X

Did you know that not all bees live in colonies? Solitary bees, like the Mason Bee (Osmia lignaria), are a type of bee that makes their homes in reeds or natural holes and are better pollinators than honey bees. Help these nonaggressive, non-swarming bees by making a bee home to put in your home garden!



### **Berlin Falls Park and Bee Populations**



https://m.youtube.com/watch?v=\_hNJGy-rK2I

### Berlin Falls Park Pollinator Garden Proposal



### **Bee City Educational Material**

#### Impioliance

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Although there are many types of pullbacture, hencey has headed to vital to plasts, estimate and constraintly by a different in your constraintly by undervices/ing the temportance of Harvey Been.

#### Queen

There is only one queen honey bee in each law. She is the only density family lays eggs and laws about 2,000 every day.

#### Vicrimit

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Drone

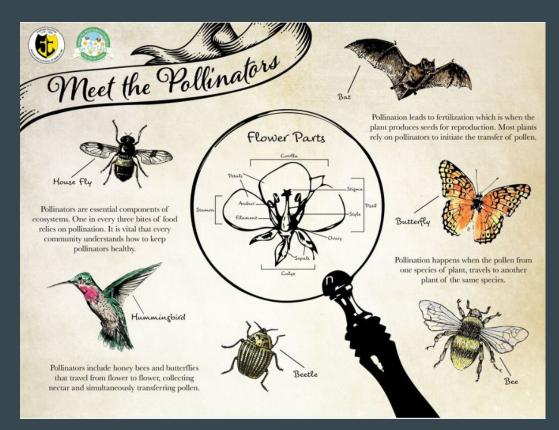
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#### **Pollinator Week Ideas**



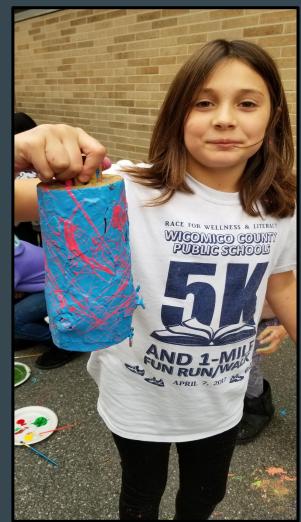
## **Berlin Falls Park Educational Signage**



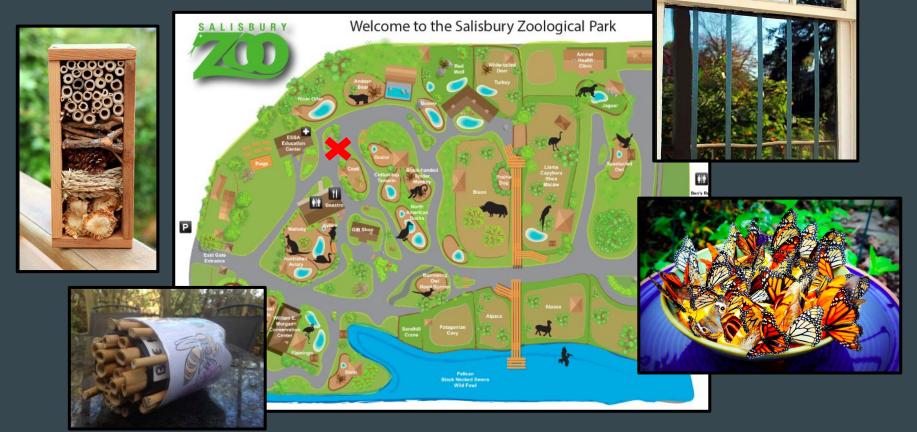


### **Bee Boxes in Berlin Falls Park**





### Salisbury Zoo Demo Site



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Berlin Town Hall Meeting 12/10/18

# A Special Thank You to...

Berlin Town Administrator, Laura Allen Berlin Water Resource Administrator, Jane Kreiter Berlin Project Coordinator, David Deutsch Berlin Falls Park Committee and Jack Orris Berlin Intermediate School

Dr. James Hatley, Emeritus Professor Salisbury University

Nanticoke Watershed Alliance,

Wicomico Environmental Trust

Beth Wasden, Volunteer Coordinator Nanticoke Watershed Alliance

Lisa Wool, Executive Director Nanticoke Watershed Alliance

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