

At Clue #6, stamp the green box below and return this sheet to the Admissions desk for your reward!

Clue 1 _____

Clue 2 _____

Clue 3 _____

Clue 4 _____

Clue 5 _____

Clue 6 _____

Stamp this box and return to the Admissions desk for your reward!

Try This!

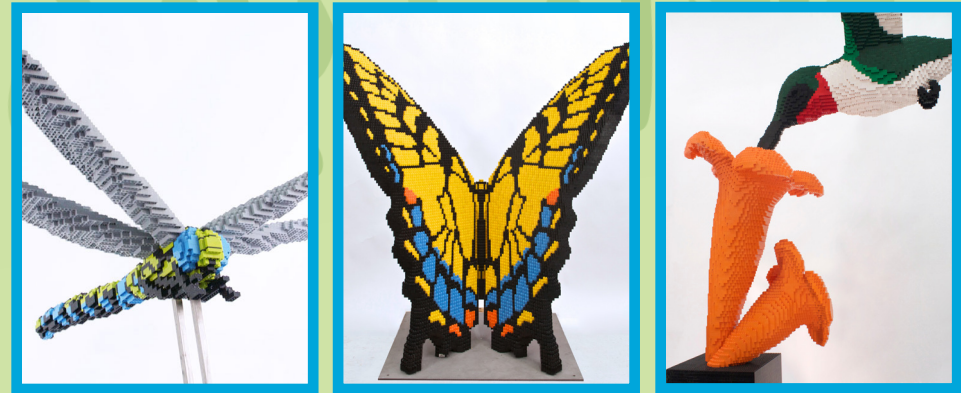
Head up to the library in the Kelly Education Center to make a mosaic using LEGO bricks. The library is open Monday to Friday from 10 a.m. - 4 p.m. It is also open on Saturday and Sunday from 1 - 4 p.m.



Brick Quest

Lewis Ginter
Botanical Garden
Children's Garden

June-July 2016



Photos of Nature Connects sculptures by Sean Kenney Studios. Art by Sean Kenney.

Nature Connects®

Together plants and animals create colorful networks by connecting with each other in amazing ways. LEGO® bricks do the same. This summer, discover the nature-inspired LEGO brick sculptures living here at Lewis Ginter Botanical Garden. New York artist, Sean Kenney, created these sculptures which have been on display across North America. As you view the sculptures, use science, technology, engineering, art and math (STEAM) skills to ponder a few of the many ways nature connects.



Lewis Ginter Botanical Garden

Pick up a map in the Robins Visitors Center.
Follow the clues to see how nature connects.

Brick Quest

When you enter the Garden, walk straight ahead and look to your right to find a sculpture of a nectar-loving bird. In real life, this bird's heart beats 1,260 times per minute. A human heart beats about 70 times per minute. Use your **math** skills to calculate the difference between your heartbeat and a hummingbird's heartbeat.

Name the bird of the back of this sheet.

1



4



Hike back up the Main Garden Walk. When you reach the top, turn left into the Asian Valley. To your right, in the Upper Pond, you will see a fish that is very adaptable. It can live in warm and cold temperatures. It adapts to cold by settling at the bottom of a pond, slowing its metabolism and eating almost nothing. Use your **science** skills to observe how other animals adapt to their environments.

Name the fish on the back of this sheet.

2



Continue straight ahead. Walk down the steps through the Fountain Garden. When you reach the far side of this garden, turn left. Immediately make another left and look for a sculpture of birds that can weave nests in less than one hour. These birds use grass, tree bark and spiderwebs to construct a nest tight enough to hold water. Use your **engineering** skills to think about how this is possible.

Name the bird on the back of this sheet.

Stroll down the Asian Valley path, and turn right at the end. Make a quick left onto a paved path, then turn right. Look at the pond to your right to see a sculpture of an insect that flies straight up, down, backwards, and forwards. It hovers and makes hairpin turns in the blink of an eye. Use your **technology** skills to imagine how you could use a dragonfly drone.

Name the insect on the back of this sheet.

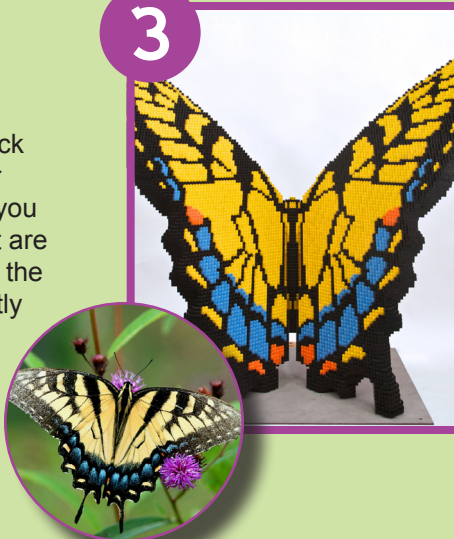
5



Stay on the path you are on, and head back to the Robins Visitors Center. Make your first left, and continue down that path until you see a sculpture of an insect with wings that are covered with beautiful patterns. Notice that the patterns on both sides of its body are exactly the same. They are symmetrical. Use your **math** skills and look around the garden for other symmetrical things.

Name the butterfly on the back of this sheet.

3



6



Walk to your left. Turn left when you reach a wooden walkway leading you into West Island Garden. Along the walkway, discover sculptures of plants floating on water. These plants inspired a famous French artist, named Claude Monet, to create hundreds of beloved paintings. Use your **art** skills to find a plant in the garden that inspires you to create a painting, sculpture or a poem.

Name the plant on the back of this sheet.