



Celebrate More Bugs

Big bugs Little bugs.
God made billions of Bugs!!
Some fly, some creep and crawl.
God created them all.

We often call these tiny creatures' bugs, but scientists call them insects. Big or small, fast or slow---all insects are part of nature's plan. All insects have 6 legs, some have 2 wings and others have 4. All insects have an antenna which they use to feel things, smell things, and sometimes even hear things. We have bones, but the bug is protected by its exoskeleton (skeleton on the outside!). We breathe through our nose, insects breathe through small tubes on the bottom of their bellies! Think of all the bugs you may know---beetles, lady bugs, fireflies, crickets, grasshoppers, praying mantis, butterflies, bumblebees, ants . . . the list goes on and on.

Take a look at these 10 interesting Insects--<https://youtu.be/uiqDniB8T6A> . Outside, even in your backyard, are some amazing creatures.

Listen to Bustle in the Bushes and think about God's amazing creations
https://youtu.be/s_KiHB5lf-A .

From Fireflies in the Night we learn fun facts about fireflies -
https://youtu.be/_XrPyF4Mpl4 .

One of my favorite firefly books is by Eric Carl--The Very Lonely Firefly.



Two other insect books by Eric Carl you may want to listen to include: The Very Quiet Cricket
<https://youtu.be/YdiGEjz5b0Q> and The Very Clumsy Click Beetle <https://youtu.be/4UIKikMXUuY> .



An insect that would love to come to a picnic in your back yard is the ant!
Listen to Are You an Ant <https://youtu.be/Q4UijT3W7gw> .

Make an ant with a plastic spoon and some pipe cleaners or part of an egg carton, some paint and pipe cleaners. Google eyes if you have them or make eyes with paper. You can also make a walking stick bug with a small stick from the yard and pipe cleaners! Use your imagination, what insects can you make with craft sticks, paper plates, a water bottle, or your fingerprints?





Make some healthy bug snacks and remember to thank God for the amazing world of Bugs!



Now it's time to move to the beat, sing and celebrate!!

Stand Together, Stand Together <https://youtu.be/8T0HW08yQAI>

Firefly fun facts!

Because I have always loved fireflies, I decided to include some fun facts: Fireflies are found on every continent. They come out in summer and need a moist environment--- lakes, rivers, ponds, etc.

Fireflies are medically and scientifically useful. Two chemicals found in a firefly's tail, luciferase and luciferin, light in the presence of ATP. ATP is a chemical within the firefly's body - all living things contain ATP. ATP is constant in healthy cells. If the chemicals from fireflies are injected into diseased cells, they identify changes in the cells and can be used to study many diseases, from cancer to Muscular Dystrophy.

Electronic detectors built with these chemicals have been fitted into spacecraft to detect life in outer space.

Firefly lights are the most efficient lights in the world - 100% of the energy is emitted as light. This light does not produce heat, so it is referred to as "cold light".

When attacked, fireflies shed drops of blood—called reflex bleeding. The blood contains chemicals that taste bitter and can be poisonous to some animals. Many animals learn to leave fireflies alone! Do not feed fireflies to your pets (lizards, snakes, or reptilians). Look on-line to find even more facts.

Research other insects and see the amazing facts you learn. Share the facts you learn and share with others. E-mail me any of your fun stories at joverholt@laurelumchurch.org.

Make a suncatcher firefly from tissue paper and black construction paper. Use water bottles and create a firefly with pipe cleaners and paper wings. Put a light stick inside to make it glow. Have fun with fireflies!

