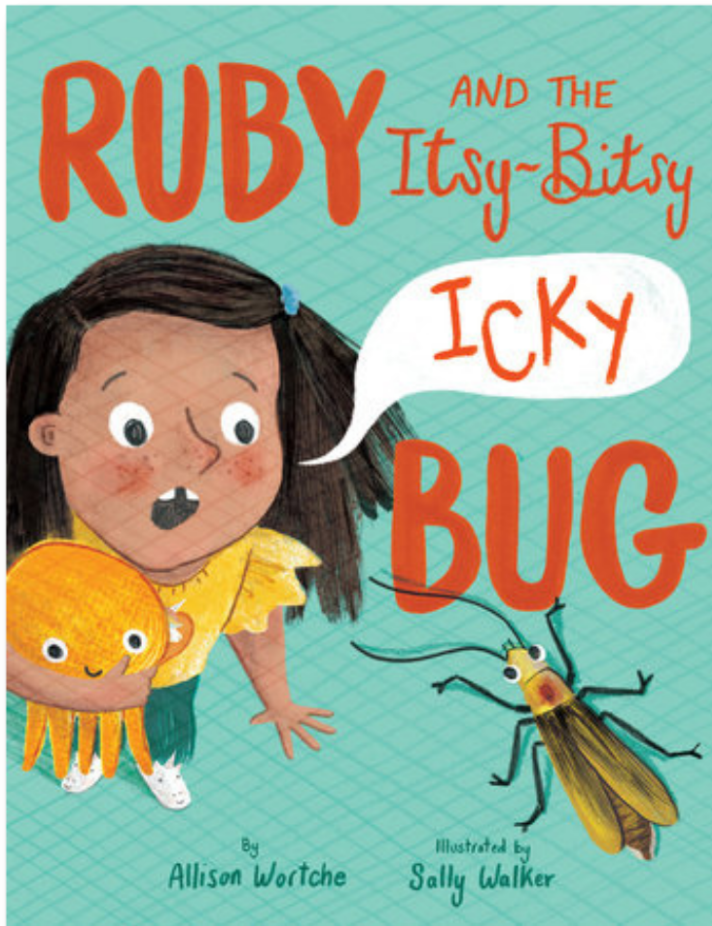


RUBY AND THE Itsy-Bitsy Icky BUG ACTIVITY KIT



When Ruby discovers a bug on her window, she *freaks out!* She loves furry animals and ocean creatures and even dinosaurs. But **NOT** bugs!

No amount of blowing or squirting or yelling will get this bug to go away. It *will* get Ruby stuck in a time-out.

With lots of time to study Mr. Yuck-Bug, Ruby grudgingly decides he may have some interesting qualities after all. His little antennae might even be an itsy bit . . . cute?

And when night falls, Ruby's new friend has a brilliant surprise!

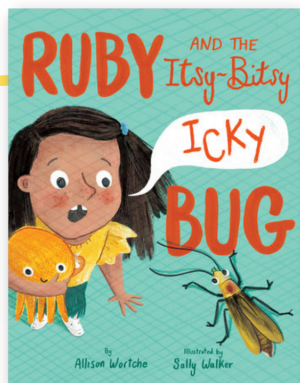
Allison Wortche and Sally Walker show readers how something can go from **icky** to **incredible**—if you just take a closer look.



RUBY AND THE ITSY-BITSY ICKY BUG

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Can you find these words below?

jellyfish
rock star
dinosaur

firefly
octopus
snake

biologist
glow
Ruby

bug
icky
entomologist

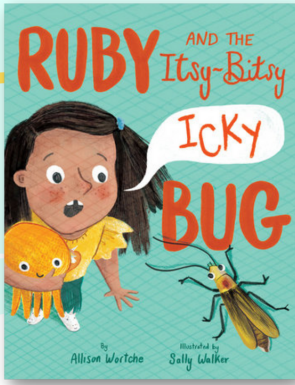
H E M G F I R E F L Y
S N A K E B U J E U C
N T P T J U B S O N T
S O N W E G Y U B S N
U M B J L T P L I U J
R O C K S T A R O V E
Q L A P Y R A Q L B L
L O W G Q W Y N O L L
A G D L I C K Y G Q Y
D I N O S A U R I D F
K S U W Z H S C S K I
P T N E A W P L T P S
P Z O C T O P U S Q H



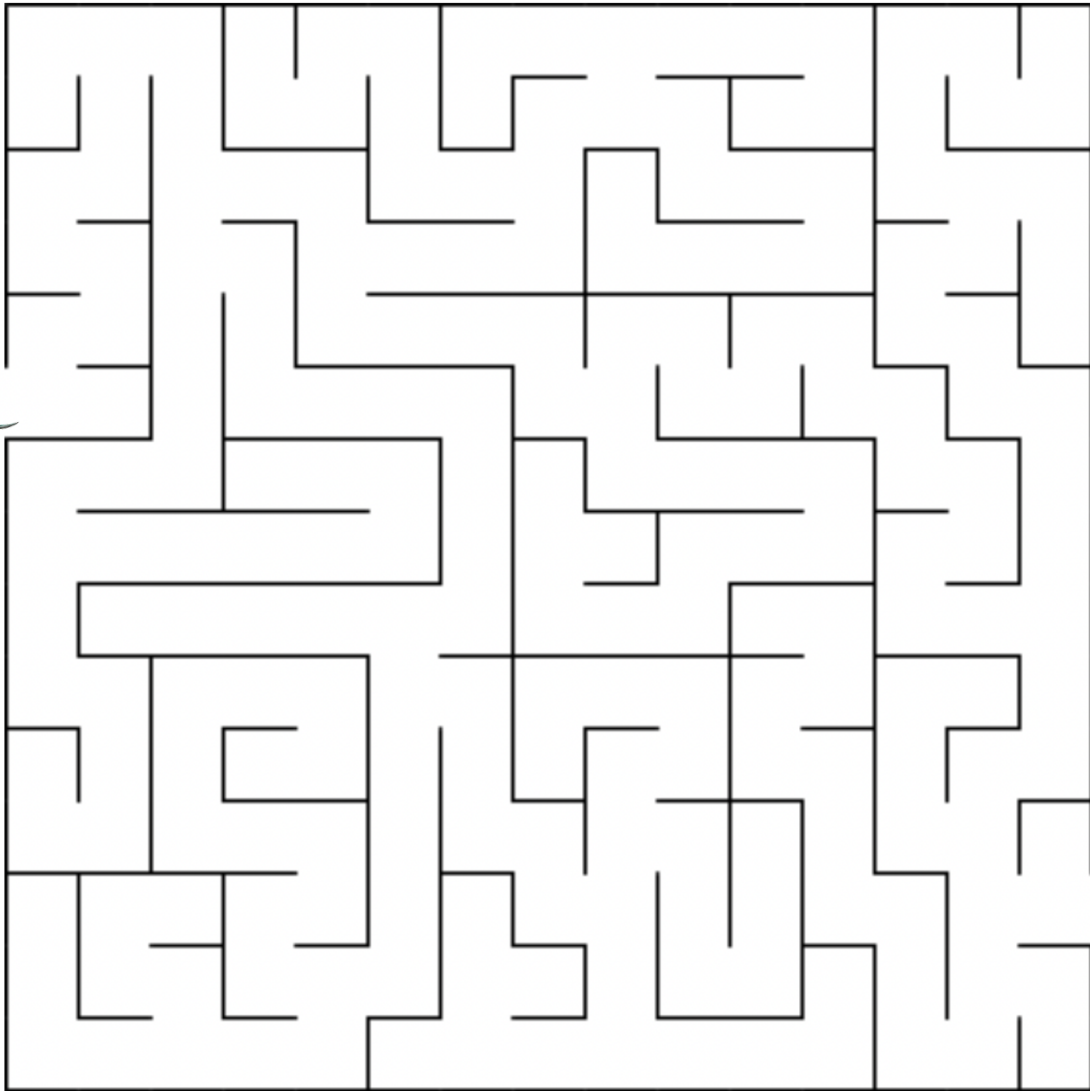
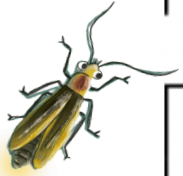
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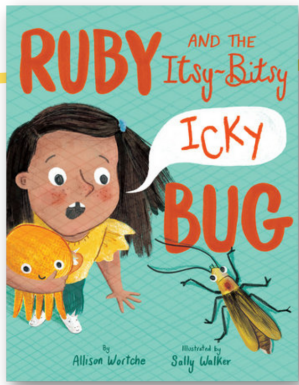
Help Ruby's firefly get through the maze!



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Ruby wants to be a scientist and a rock star when she grows up. Do you know what YOU might want to be? Draw pictures in the circles below!



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FASCINATING FACTS ABOUT FIREFLIES

A firefly is a type of beetle.
There are over 2,000 firefly species!

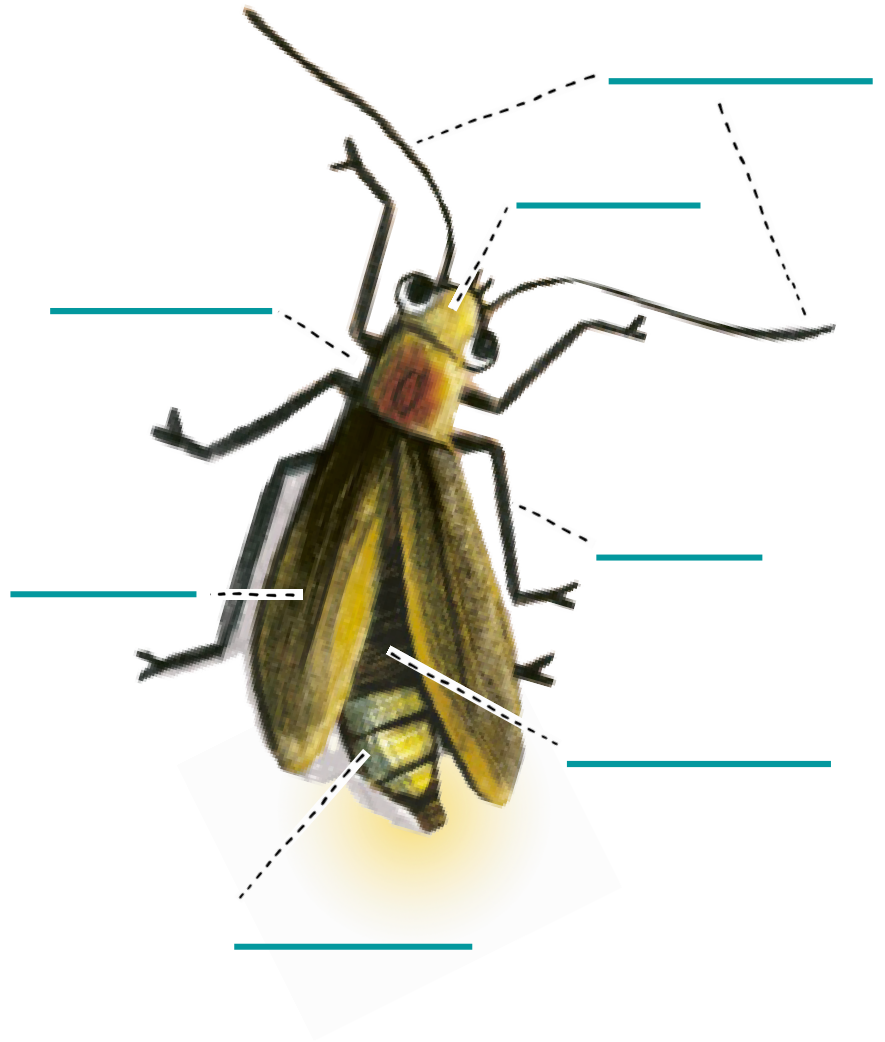
Fireflies produce a chemical reaction in their bodies that makes them glow! When a living creature produces its own light, it's called bioluminescence.

A firefly uses its light to find a mate, "talk" to other fireflies, and warn predators to stay away.

A firefly's light produces almost no heat, so it's called "cold light."
Firefly light can be green, yellow, or orange.

Even some firefly eggs glow!

Fireflies have two sets of wings.
The forewings are hard—for protection and balance. The hindwings are soft and used for flying.



Help Ruby label the parts of a firefly.

antennae

leg

wing

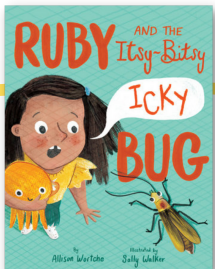
head

thorax

abdomen

lantern

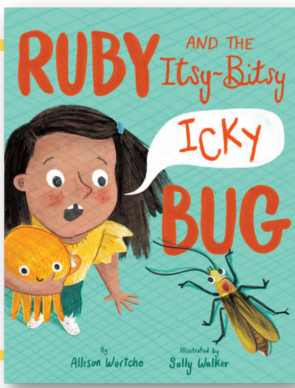
(the part of the abdomen that glows!)



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CREATE A NATURE JOURNAL

Find a notebook or some paper, a pencil or some crayons.... Grab a grown-up and head outside!

It's time to explore!

Pay close attention to what you see, hear, and smell.

Draw pictures of the things you find:
a rock, a seed, a pinecone, a wiggly worm.

You can even press flowers and leaves into your notebook.

Go on a nature scavenger hunt.

See if you can find something for every letter of the alphabet!

Ask questions and record your observations.

Find three leaves. How are they similar? How are they different?

How many legs does a spider have? What about an ant?

How tall is the grass in your backyard?

What do the clouds look like today?

Are there new buds on the trees? Birds making a nest?

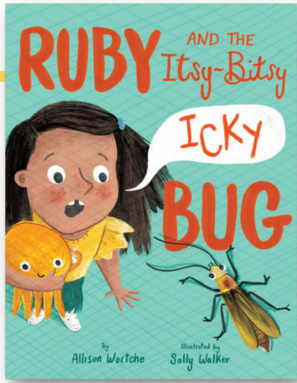
Squirrels burying nuts? Leaves turning gold?

Look for hints of changing seasons.



Write a poem about one of your
favorite discoveries!





When Ruby discovers a bug on her window, she thinks it's **GROSS**! But then she spends time with it. She draws it. She studies it. As Ruby learns about her bug, she realizes it isn't icky—it's **INCREDIBLE**!

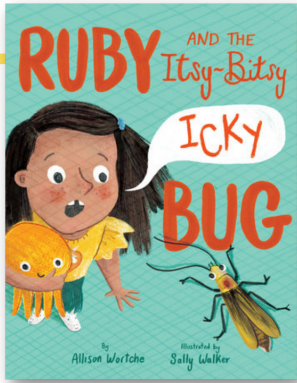
Can you think of a time when you changed your mind about something once you gave it a chance? Write about it on the lines below.



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TAKE A CLOSER LOOK!

Go outside and find something special:
a pinecone, a leaf, a rock, an acorn, a ladybug. . . .
Study it closely—like a scientist. Pay attention to all its cool
details. Then, draw it in the magnifying glass below!



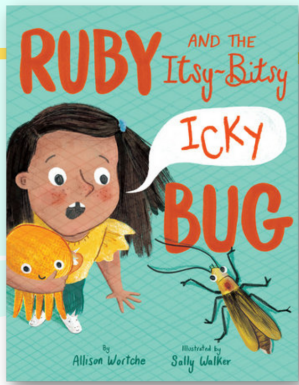
Write three things you notice about your special find:

1. _____
2. _____
3. _____

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Draw the other half of Ruby's firefly!

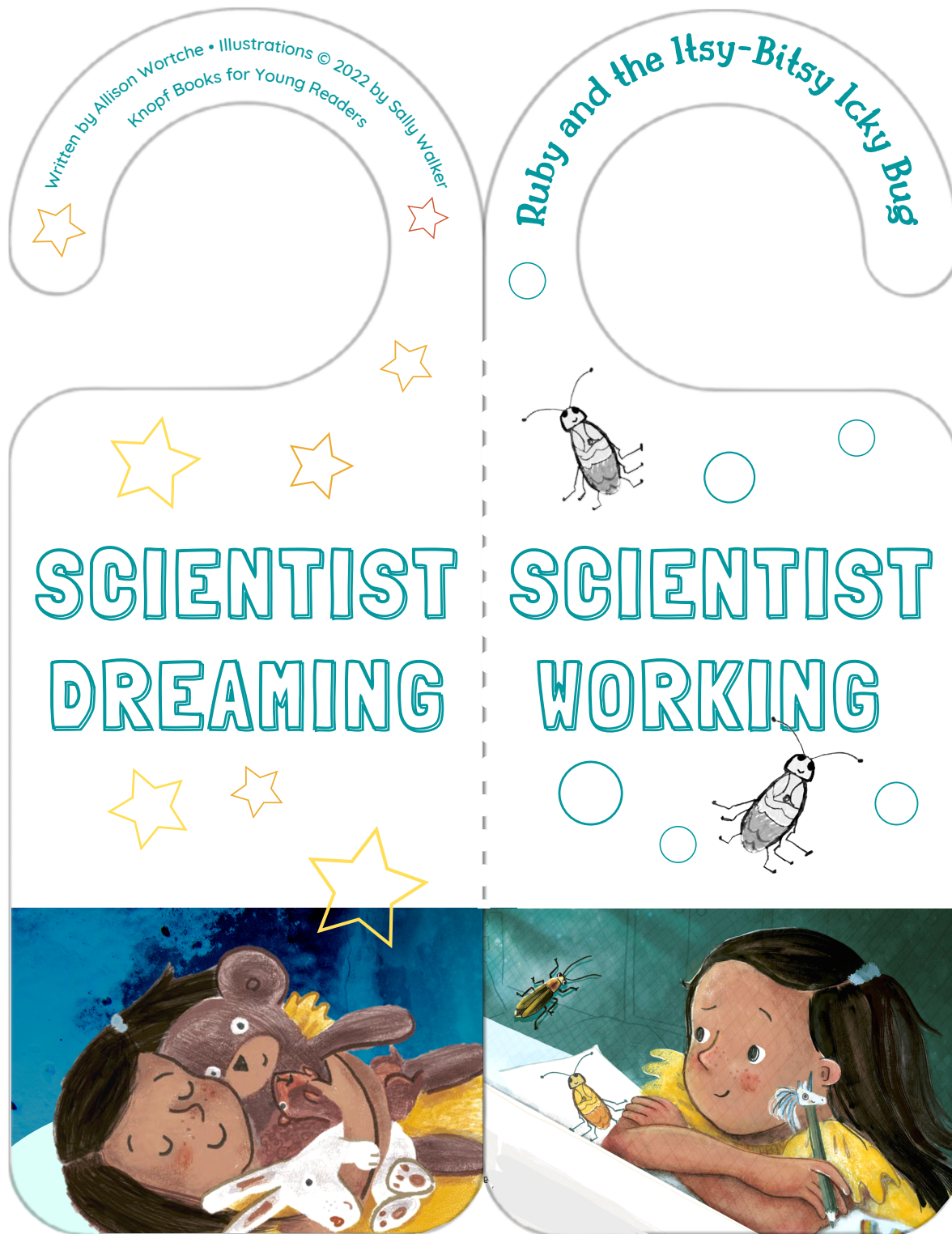


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MAKE YOUR OWN DOOR HANGER



First, color your door hanger.
Then, cut it out—you can ask a grown-up to help!
Fold it on the dotted line, and glue the two sides together.

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