

AmplifyScience

# Frog Models

by Andrew Falk and Chloë Delafield  
illustrated by Caroline Hadilaksono



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*Frog Models*  
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Luz and Juan took a walk. Juan saw a snake.





Luz saw two frogs in the leaves. Would the snake eat the frogs? The snake did not see the frogs and kept going.





Look, the frogs are brown.  
The frogs are shaped like  
leaves.





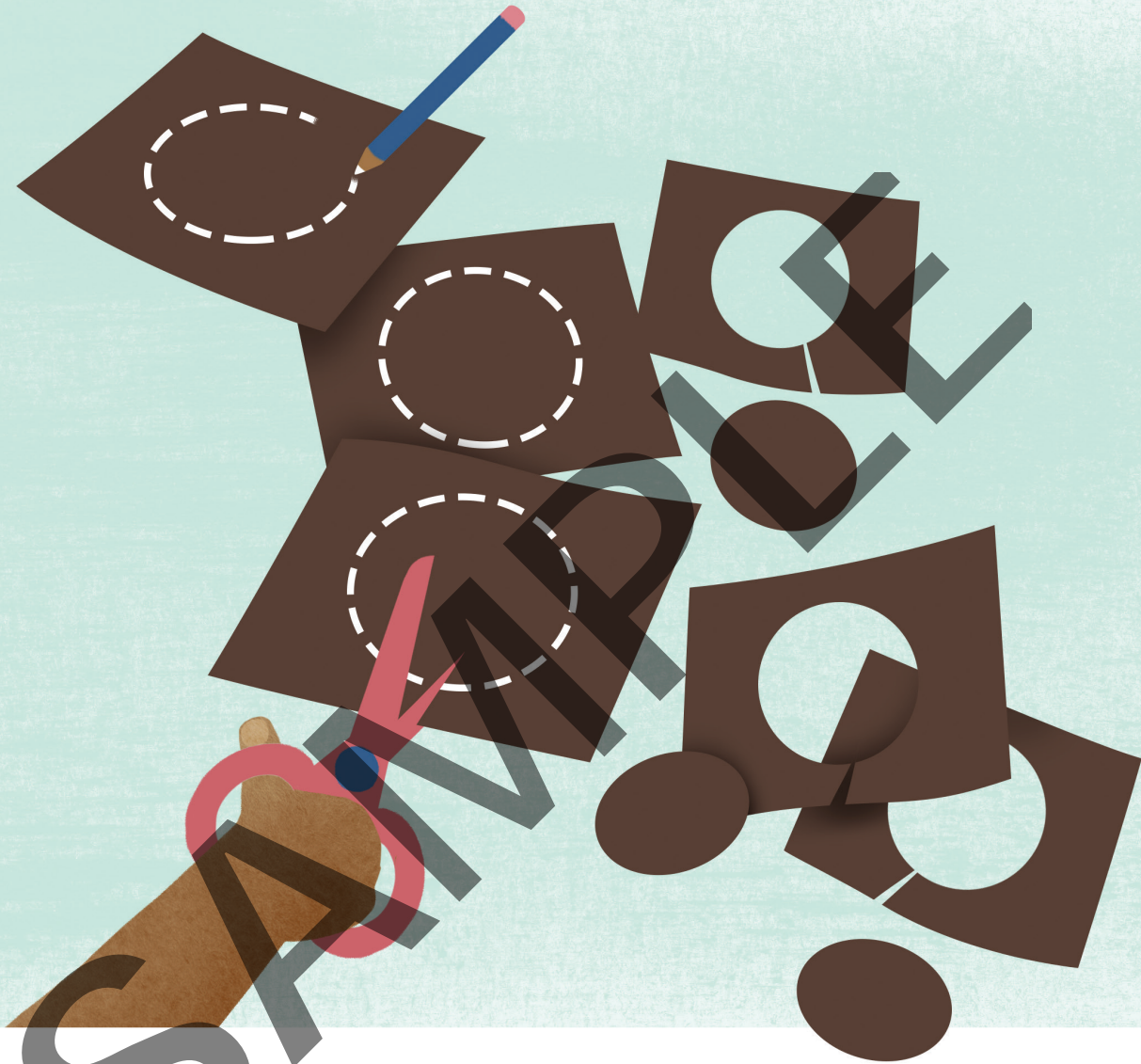


At home, Luz and Juan talked about the frogs. Why didn't the snake find the frogs and eat them?





I have an idea about why the snake didn't find the frogs. The frogs were the same color as the leaves. I think the color made the frogs hard for the snake to see.



How can I **explain** my idea? I can make a **model**. A model will help me explain my idea.





Here is my model.  
I made paper circles.  
They are brown like  
the frogs.





Let me show you my model.  
It will help me explain.





Look, the color makes the circles hard to see in the leaves.



I have an idea, too. The frogs were the same shape as the leaves. I think the shape also made the frogs hard for the snake to see.





I will make a model, too. I will use the brown paper and cut out leaf shapes. My model will help me explain.



Look, the shape makes the paper pieces hard to see in the leaves.





The color makes them hard to see, too.





We used our models to explain why the snake did not see the frogs.





The color and shape of the frogs made them hard for the snake to see. That is why the snake did not find the frogs and eat them.





Mama loves frogs. Let's use our model to explain to her why the snake did not eat the frogs. Look, Mama! The color and shape of the frogs made them hard to see.





What else can we explain using models?

# Glossary

**explain:** to describe how something works or why something happens

**model:** something scientists make to answer questions about the real world

SAMPLE



**Books for *Animal and Plant Defenses*:**

Whose Lunch Is This?  
Tortoise Parts  
Parents and Offspring  
Frog Models  
Spikes, Spines, and Shells

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**Animal and Plant  
Defenses**

# Models can help you explain.

Luz and Juan notice some frogs that look like leaves. A snake passes by, but it doesn't see the frogs. The kids use models to explain why they think the snake did not eat the frogs!



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