

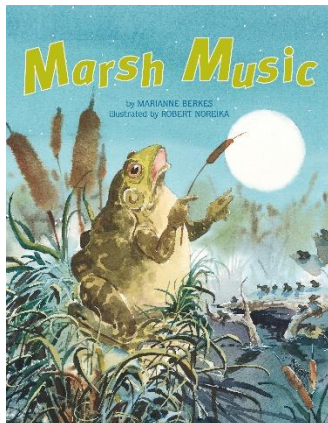
BIO-INDICATORS: TIE-DYED FROGS (3-5)

The SCIENCE of BIO-INDICATORS:

Frogs are **BIO-INDICATORS** - An organism that is very sensitive to changes in an ecosystem. They serve as an indication of the ecosystem's health.

Reptiles have dry, scaly skin while frogs and other amphibians have wet skin. Amphibian skin is **permeable**, which means it soaks up its surroundings much like a sponge.

Because they absorb things from the environment through their skin, frogs are often the first animals to tell you when something is wrong with their **habitat**.



LITERACY CONNECTION:

[Marsh Music](#) by Marianne Berkes is a beautiful book filled with different species of frogs found here in Florida.

- Don't have this book at home? Look for digital versions of the book and [videos](#) online.

ACTIVITY: TIE-DYED FROGS

Materials: water, spray bottle, paper, washable markers, origami frog instructions, paper towel, plate

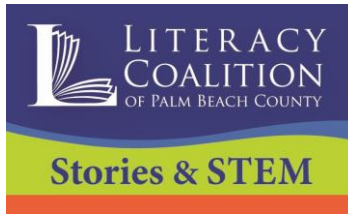
1. Fold 1 sheet of paper in half and tear or cut it (makes 2 frogs)
2. Follow origami frog instructions (below)
3. Decorate 'frog' with stripes, spots – the more colors the better!
4. Place the 'frog' on a plate
5. Frogs need to live in water, so spray your 'frog' with a mist of water (no need to soak it)
6. Watch the colors run to make a tie-dyed frog
7. Let it dry so it can hop once again!

The Florida Museum has a variety of [frog sounds](#) you can listen to at home!

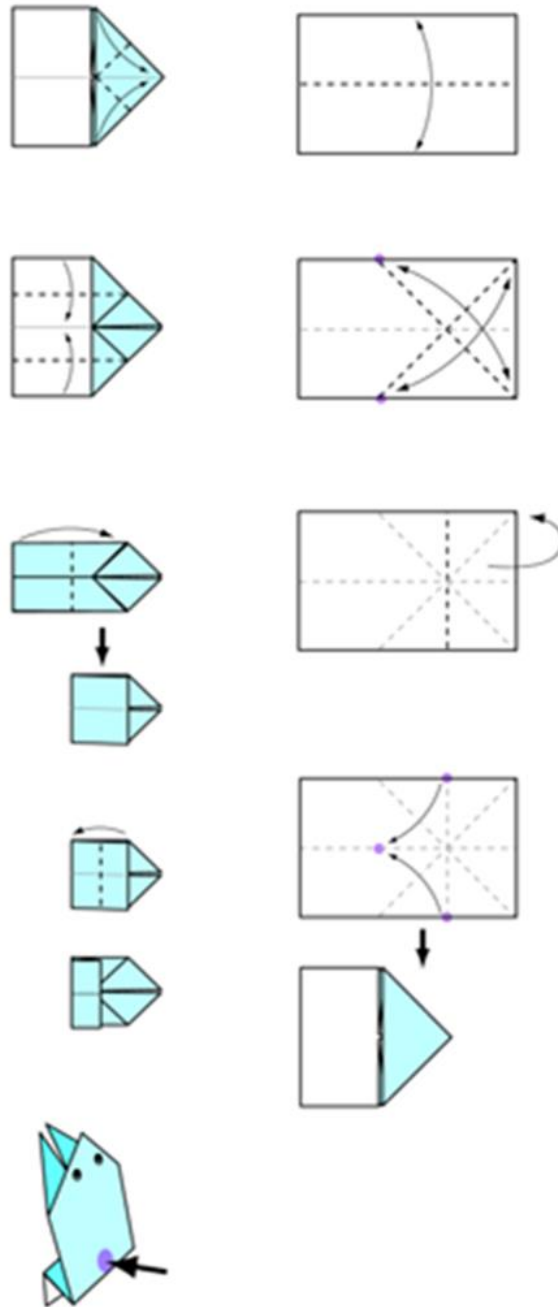
For step-by-step instructions, watch the video: [Origami Frog STEM Activity](#)

This at-home educational activity is from the Literacy Coalition of Palm Beach County's literacy-based Stories & STEM program. Stories & STEM is made possible with support from Prime Time Palm Beach County, Inc., which receives significant funding from the Children's Services Council of Palm Beach County, Inc.

Having fun? Send pictures or video links of you and your Stories & STEM projects to csharkey@literacypbc.org



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EASY HOPPING FROG ORIGAMI

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