



Prismatic Vision
30"x30, Oil on Canvas, 2014

LU | Lehigh University
AG | **Art Galleries**

ART IN DIALOGUE
with Deirdre Murphy

Special Guest:



As an artist, **Deirdre Murphy's** work is made with the attentiveness of a scientist, observing the natural world beyond the visible surface. Her paintings explore the interconnected qualities of art and science, paying particular attention to the micro and macro patterns that reveal our connectedness. Join Deirdre as she discusses her work and teaches us how to create our own colorful migration patterns and a step-by-step drawing of a Mountain Hawk, with help from a special guest from Hawk Mountain Sanctuary.



Points of Departure
11"x36", Acrylic on Canvas, 2013

Materials Needed:

- Construction Paper or colored paper*
- White Drawing Paper
- Pencil (No. 2 or HB) and eraser
- Colored Pencils; Markers or Sharpies (any colorful mark making tools you have at home)
- Scissors
- Glue Stick

*if you don't have colored paper at home you can make your own using watercolors and paper

Directions:

1. Let's look at convection currents, (show slide of convection currents) lyrical ribbons of warm air and see if we can make shapes like this in the air with our hands. What do those movements feel like? Imagine if you were a hawk flying in looping lines. Now let's draw those looping lines on our paper. You can draw on colorful construction paper or white paper. Lines can overlap or be placed apart on your paper.
2. What type of Hawk migrates in April in the Lehigh Valley?_____ ([view Hawk Mt Spring Migration graph](#)) Raptors migrate during the day with the convection currents.
3. Let's draw this Red Tailed Hawk species as a silhouette following one of the convection current lines. (show silhouette guide). Silhouette is another way to describe their shape. You can draw the silhouette on a piece of dark paper, cut out and collage on your dancing sky or take a dark marker and draw directly on your sky.
4. You can add clouds and color in your convection current to celebrate our Spring Migrants.
5. You can draw more than one hawk. A group of hawks is called a "kettle". They are solitary creatures and like "social distancing" except when they migrate they like to flock in a kettle.
6. You can add a small flock of songbirds. Songbirds flock at night with the constellations as their guide or GPS, so they avoid being eaten by the hawk. Smart birds!
7. Lesson 2: Step by Step Hawk (show images of rescued Hawk from Hawk Mt) Follow a step by step lesson with the kids. Fiona, our 10 yr old daughter can demonstrate along with me.
8. Did you know that Lehigh University's mascot is a hawk! Go Hawks!

9. Visit Hawk Mountain to learn more, hike and help count raptors OR visit them online for cool civic science information

Vocabulary

Elements of Art: Light, Line, Shape, Color

Convection currents are produced by temperature differences. Hotter (less dense) parts of the fluid rise, while cooler (more dense) areas sink. **Birds** and gliders make use of upward **convection currents** to rise, and we rely on **convection** to remove ground-level pollution.

A **constellation** is an area on the celestial sphere in which a group of stars forms an imaginary outline or pattern, typically representing an animal, mythological person or creature, or an inanimate object. The origins of the earliest constellations likely go back to prehistory.

Kettle: A group of hawks is called a kettle.

Raptors are meat eating birds that use their strong feet, talons and hooked beaks to catch and kill their prey. This group includes eagles, osprey, hawks, owls (Great Horned Owl), kites, harriers, buzzards, merlins, vultures, goshawks and condors.

Songbirds represent a diverse group of birds known for their singing abilities. Common families of songbirds include finches, tanagers, thrushes, sparrows and wrens. Most often the songbird males sing the “primary song” that defines the species. They sing during spring and summer and for courtship and territory definition.

A **silhouette** is the two-dimensional representation of an object as a dark shape and outline against a lighter background.

Resources

Lehigh University Art Galleries

www.luag.org

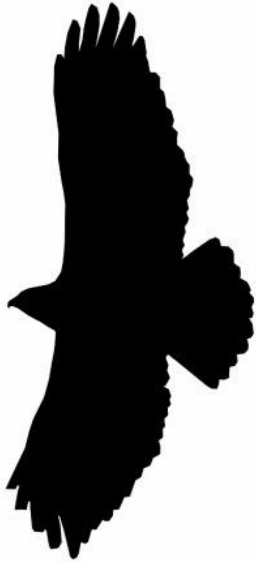
Deirdre Murphy

<http://www.deirdremurphyart.com/>

Hawk Mountain Sanctuary Coloring Books, Puzzles and Activities:

<https://www.hawkmountain.org/education/resources/for-kids/coloring-books-puzzles-posters>

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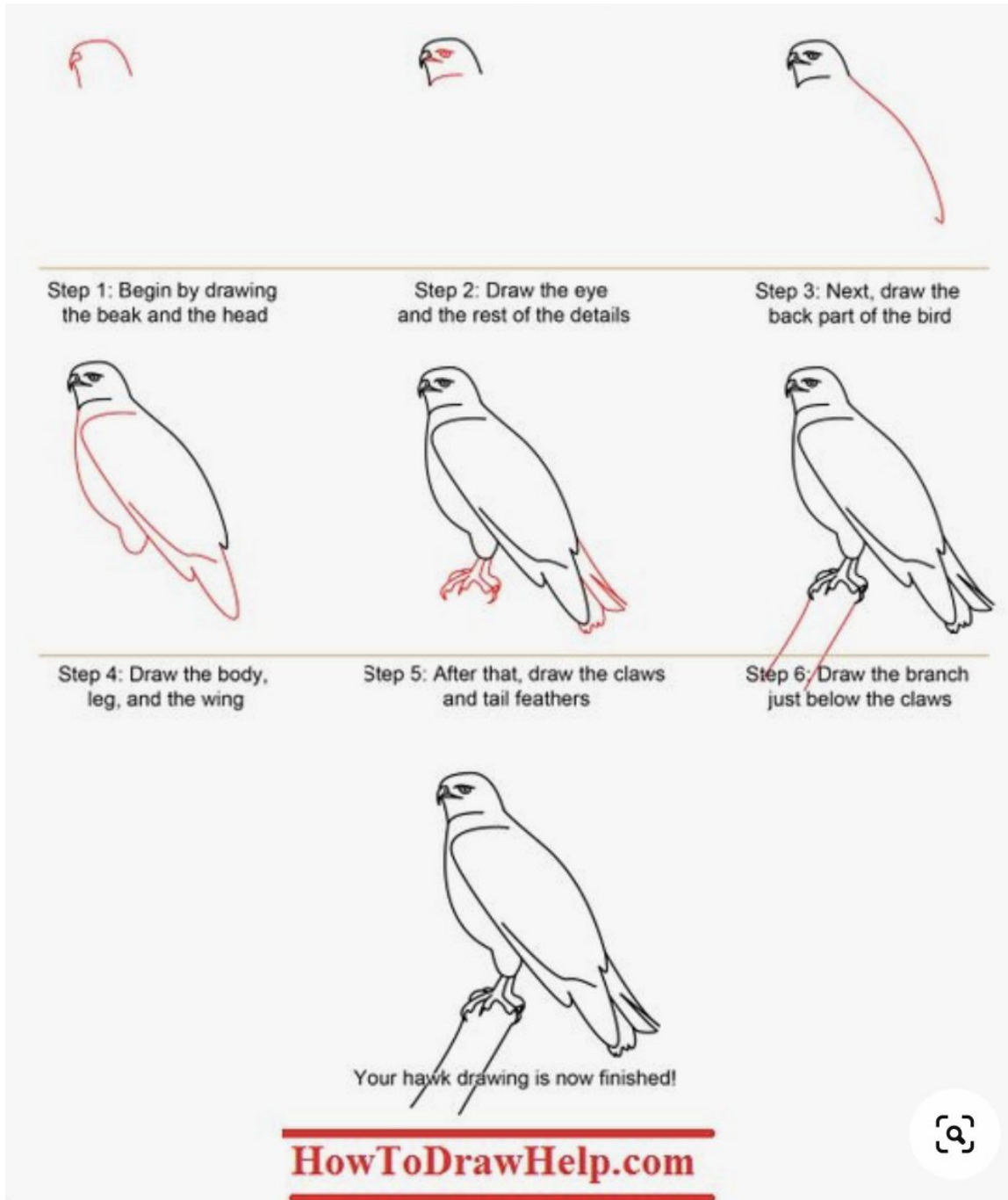


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How to Draw a Realistic Hawk:

<https://www.artforkidshub.com/how-to-draw-a-realistic-hawk/>