



Smithsonian Associates

Introduction to Scientific Illustration

Instructor: Natalia Wilkins-Tyler

Materials required for the class (order from www.jerrysartarama.com or www.dickblick.com or vendor of your choice)

Transparent Watercolors -recommend Daniel Smith or Holbein artist watercolor - 5 ml

- Lemon yellow
- Cadmium Yellow Pale or Cadmium Yellow
- Ultramarine Blue or French Ultramarine Blue
- Cerulean Blue
- Alizarin Crimson Red
- Cadmium Red
- Phthalocyanine Green
- Burnt Umber
- Sap Green
- optional: Turquoise blue
- optional: yellow ochre
- optional: Lavender

Brushes:

- I highly recommend “Creative Inspirations” Dura handle short handle watercolor brushes sizes 2, 4, 6, 8, They can be ordered online from www.jerrysartarama.com.

Detail Brush:

- A specialty brush you must order online I use a Dick Blick brand: size 2 Studio Sable, Kolinsky Sable Detail. Also available: size 3 Winsor Newton Miniature Kolinsky Sable. Detail brushes have shorter hairs but are fuller at the ferrule to hold more paint. This brush used in dry brush stage.

Pentel Water medium brushes (others if you have them)

Continued on Page 2

FACEBOOK: SMITHSONIAN STUDIO ARTS INSTAGRAM: @SMITHSONIANASSOCIATES

EMAIL: ASSOCIATES-STUDIOARTS@SI.EDU

Pencils:

- 2B, HB, 2H 4H

Prismacolor Col-Erase Pencil - Non-Photo Blue (<https://www.dickblick.com/items/20512-5540/>)

Tracing Paper:

- 9x12, Canson, Foundation Series

Watercolor Paper:

- your choice on size. I would recommend hot press either Arches water color blocks (140lb or 300lb) or Fabriano Artistic paper or blocks (140lb or 300lb).

Pens:

- Pigma® Micron® pens a variety of sizes (.01, .03, .05) or Staedtler pens (.01, .03, .05)

Porcelain palette(s)

- I suggest 7 well flower palette or other mixing tray

Small grey kneaded eraser**Scotch REMOVABLE tape**

- labeled removable or Wall Safe (Office supply stores maybe Michaels and Hobby Lobby)

3-5 pictures**NOTE:**

Please come to class with two drawings on 140lb hot press watercolor paper of the beetle in the attached photo. Keep these drawings small, no larger than 2-3 inches. I would recommend drawing a square frame that is 2-3 inches and draw the beetle in there to maintain a smaller size. Feel free to either freehand draw the beetle in those squares. Otherwise print the picture out at a small size, lay tracing paper on top of it and trace the outside edges, flip the tracing paper over and on the back side of the tracing paper with a 4b pencil follow the lines of the beetle with a thicker line. Flip the tracing paper over and tape the tracing paper on your watercolor paper and retrace the beetle into all of your squares.

I prepared two short videos to demonstrate this process for those who are unfamiliar with it or need a refresher. Here are the links:

<https://drive.google.com/open?id=1UxI71pbkPxtDJAcLe-5ExHmTqaAN7o7W>

<https://drive.google.com/open?id=1UvL-TUiGD-9b-7LYDOhAPhqqGy6w2iej>

Continued on Page 3

FACEBOOK: SMITHSONIAN STUDIO ARTS INSTAGRAM: @SMITHSONIANASSOCIATES

EMAIL: ASSOCIATES-STUDIOARTS@SI.EDU



FACEBOOK: SMITHSONIAN STUDIO ARTS INSTAGRAM: @SMITHSONIANASSOCIATES

EMAIL: ASSOCIATES-STUDIOARTS@SI.EDU