

Macro/Close-up Photography & DIY Lightboxes

Flagpole Photographers

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Guess the Object

If you know what the object is, shout it out!





Macro vs. Close-up Photography

Macro photography, also known as close up photography, is the art of making small things look big, or macro. In technical terms, **macro images reproduce the subject at a magnification ratio of at least 1:1**, where the image in the camera sensor is the same size or bigger than the real-life thing.

Close up photography refers to a **tightly cropped shot** that shows a subject (or object) up close and **with significantly more detail than the human eye usually perceives**. With close up photography, you reduce the field of view, increasing the size of the subject, and creating a tight frame around your selected shot.



DIY Lightbox



Commercial Lightbox

Directions for making a lightbox:

<https://www.adobe.com/creativecloud/photography/discover/diy-lightbox.html>



When Making a Lightbox



- The goal is to surround the object with white so the light reflects easily and produces an “even” amount of the light on the object
- You can create a seamless or continuous background so there won't be a line where the backdrop and the ground meet (see the photo for an example)
- You may want a hole for the light (when shooting from above) and if you are using a fully enclosed lightbox, you will want another hole for your camera lens to fit through
- Tissue paper can be used on top of the hole the light shines through to diffuse the light or to create special effects (when using various colors of tissue paper)



Tools for Capturing Macro Images

Macro lens

(specific to the bra



Extension Tubes

the camera body and lens

(s



Placed between

Close-up/Macro Filters

the end of the lens

(specific to the thread size of the



Screws onto

Capturing Macro Images at Home





Focus Stacking



Utilizing macro tools often require using a shallow depth of field:

This means that very little of the image is in focus.

Focus stacking will:

- Allow you to get more of the image in focus

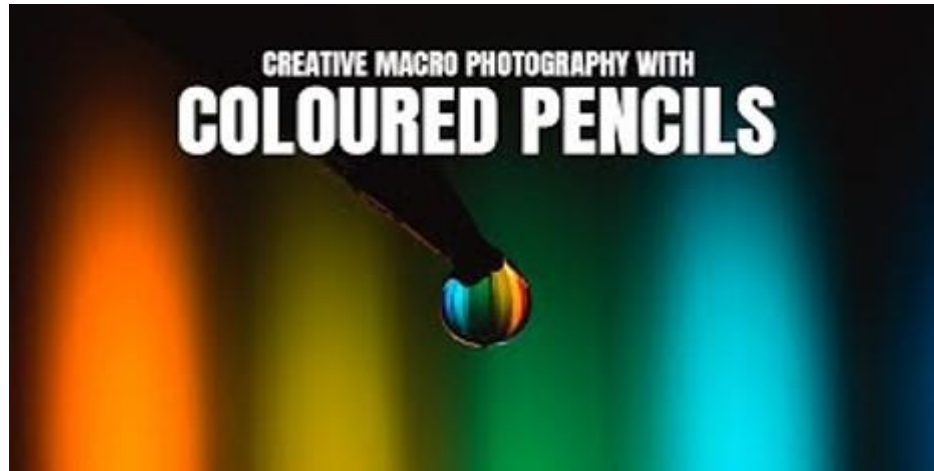
To focus stack:

- Take multiple pictures where you change the focus to make sure every part of the object is in focus
- Use photo editing software to combine the pictures
- Use in camera settings
- Use a macro camera rail

<https://www.youtube.com/watch?v=4NCorBcHOT4>



Macro with Colored Pencils



Get some ideas for the colored pencil station



Stations

Station 1: action figures

Station 2: toy car(s)/coins/stamps

Station 3: gold pins/colored pencils

Station 4: flowers/DIY lightbox

BONUS: Take pictures of each other's eyeballs

