

INVISIBILIA

What Your Eyes Can't See



PHOTOS BY
JORDAN COOLIGAN PANG

The Eye

All About Me



I began photography 3 years ago by mistake. Originally I wanted to join the media arts class early in grade 10 but it was filled and I was put into Mrs. Drysdale's yearbook course. I followed her suggestion to switch to photography and so began my career as a photographer. Taking that course was the best mistake of my life.

My photography skills have grown drastically through these 3 years, and I have experience in a whole variety of photography styles. As a photographer I take pictures of things that grab my attention or that I may think would look interesting through the lense of the camera. I never restrict myself to one type of photography and I'm always trying to be open to new perspectives or styles of photography. I will always be willing to grow as a photographer.

Invisibilia is a Latin word that translates to invisible in English. The reasoning of the title goes along with my theme. Every photograph included in this book is something that you cannot or do not often see with the naked eye, or in other words is invisible to it. The camera is my third eye, which can only see what no one else can. Our eyes are limited to one reality of vision, but the camera is open to a whole universe of wonders.



ISO 400
F/4
1/500th SEC



ISO 1600
F/1.8
1/30th SEC

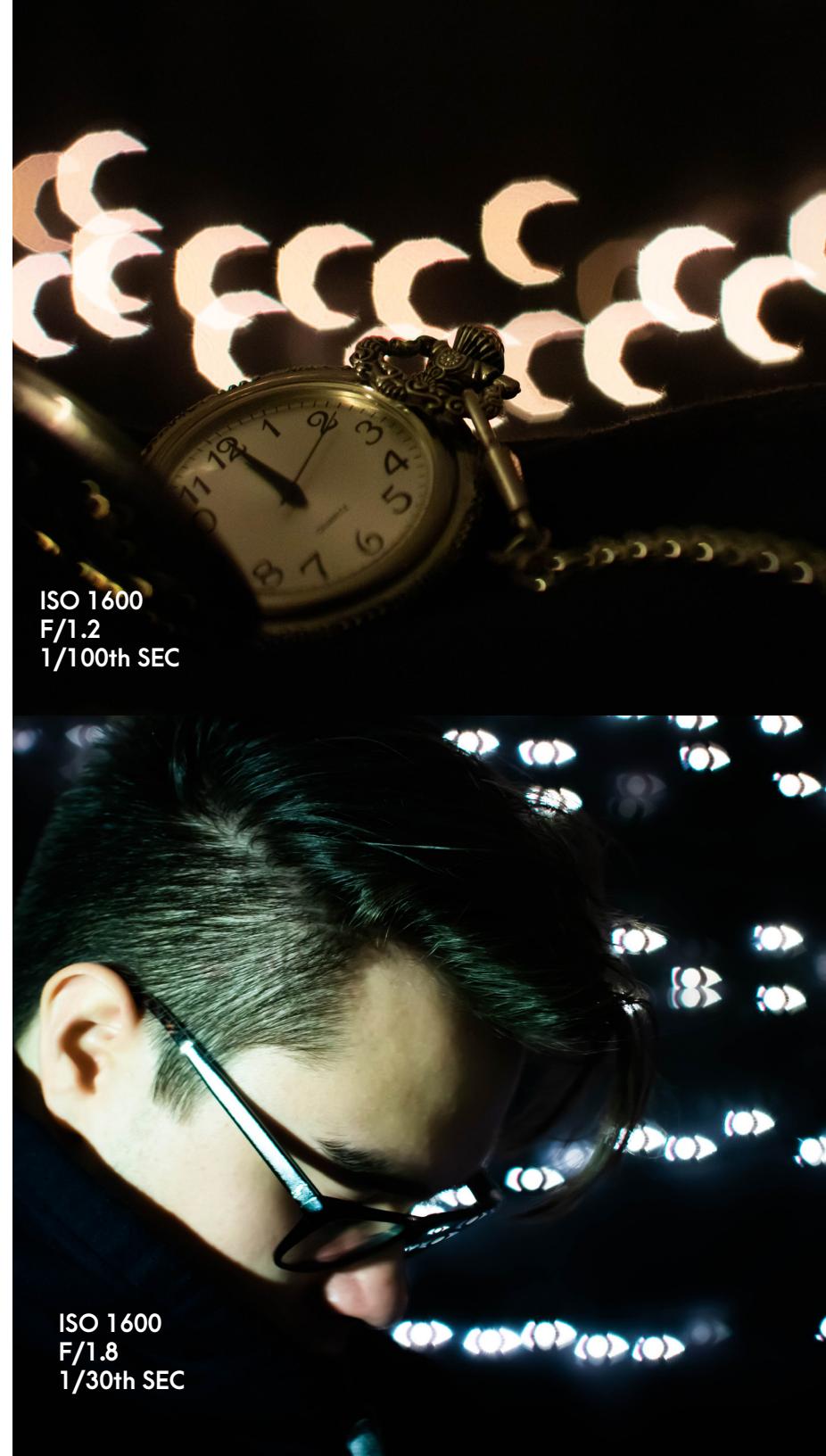
Cut the Light

Light is a very interesting and fascinating thing. With the right lens and a small cut out of a shape, anyone can manage to manipulate the form of the bokeh in the background of a photo. The effects of the cut out cover drastically change the bokeh, almost as if the light had been personally cut.

The first image on the left here is of an old Nikon film camera. The reasoning behind the bokeh shaped as an eye is to bring emphasis on the idea that the camera has a different perspective on things. As said earlier, a camera is like a third eye, only it can see a vast variety of amazing things compared to the naked eye.

The top image on the right represents the passing of time. While observing the image closer you may notice that the time on the watch is 12 O' clock. Along with the shape of the bokeh it can be pieced together that the image can represent the night time. Another thing to catch is the age of the watch, as pocket watches are a thing of the past, further emphasizing the passing of time. A photo is only a small window to the past, it is a moment that has been captured and frozen for ever.

Similarly to the first image, the photo on the bottom right uses the same type of bokeh shape, only with different meaning. The subject of the image is different to the first image as it is a person. This allows the image to be open to multiple interpretations like self image or even perspective. It is up to the viewer to decide the meaning of the image.



In the most simplest explanation, polarizing filters manipulate light waves to behave and head in a more specific direction. This allows for the camera to be able to pull off some very interesting photos like each one displayed here. There are many benefits for using polarizing filters which will be further explained later on.

The photo on the bottom left is one of the most unique things that a polarizing filter can accomplish. With the use of any clear plastic object and white screen, anyone can make this interesting effect. The polarizer completely blocks out all of the light from the monitor but still allows some light from the cup to go through.

On the right side page, is a bugs eye view of some dandelions outside of school. Notice the contrast with the bottom right corner and top left corner of the image. Both are so different because of the use of the polarizer filter that adds a more darker shade of blue to the sky. Another thing to note is how the sun is in the image, but the shutter speed is not cranked to the max. Polarizers help photographers by also allowing them to work with lower shutter speeds as less light comes in.

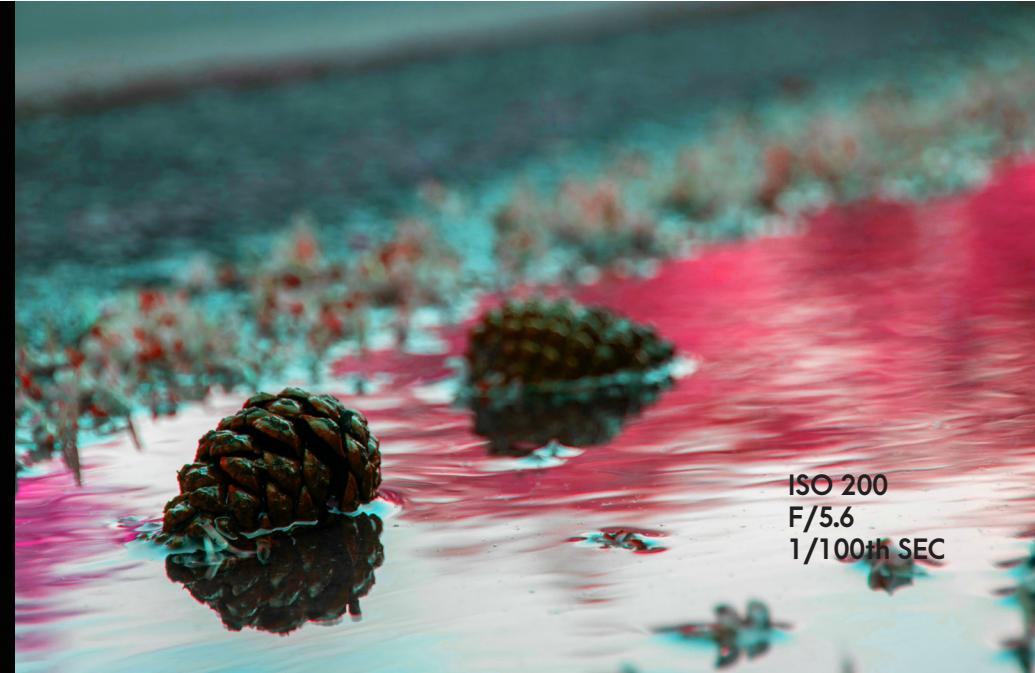
The image on the bottom right of this page is of pinecones left in a puddle. One thing to note is how I also edited it to be an infrared photo because it looks quite nice that way. The reason why the water looks so reflective is because of the polarizer. It allows photographers to choose to see through water, or only see the reflection of water. Once again photography is able to show us a world that the naked eye would never see.

Single Directions

ISO 1600
F/4.5
1/200th SEC



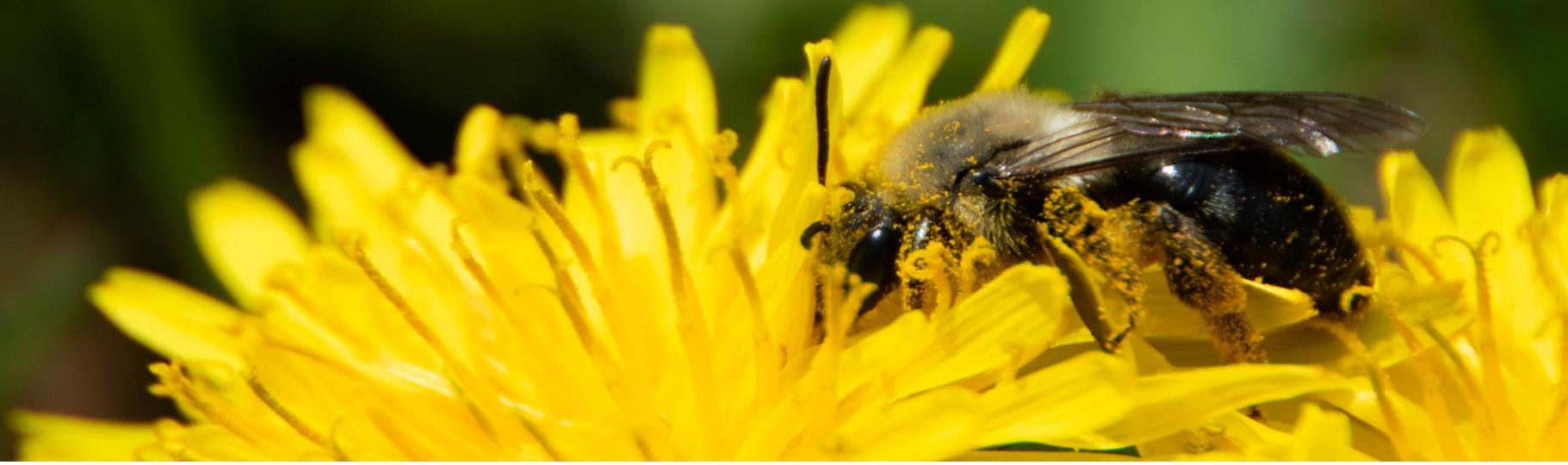
ISO 200
F/5.6
1/100th SEC



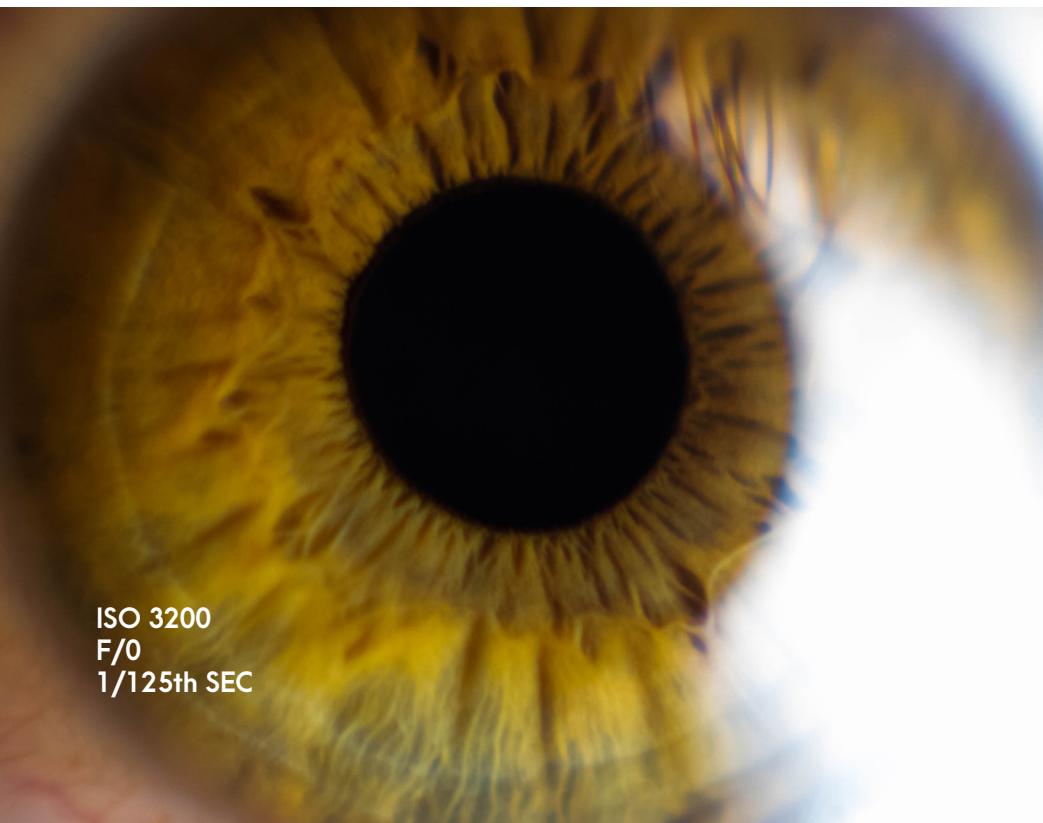


ISO 400
F/3.5
1/2000th SEC

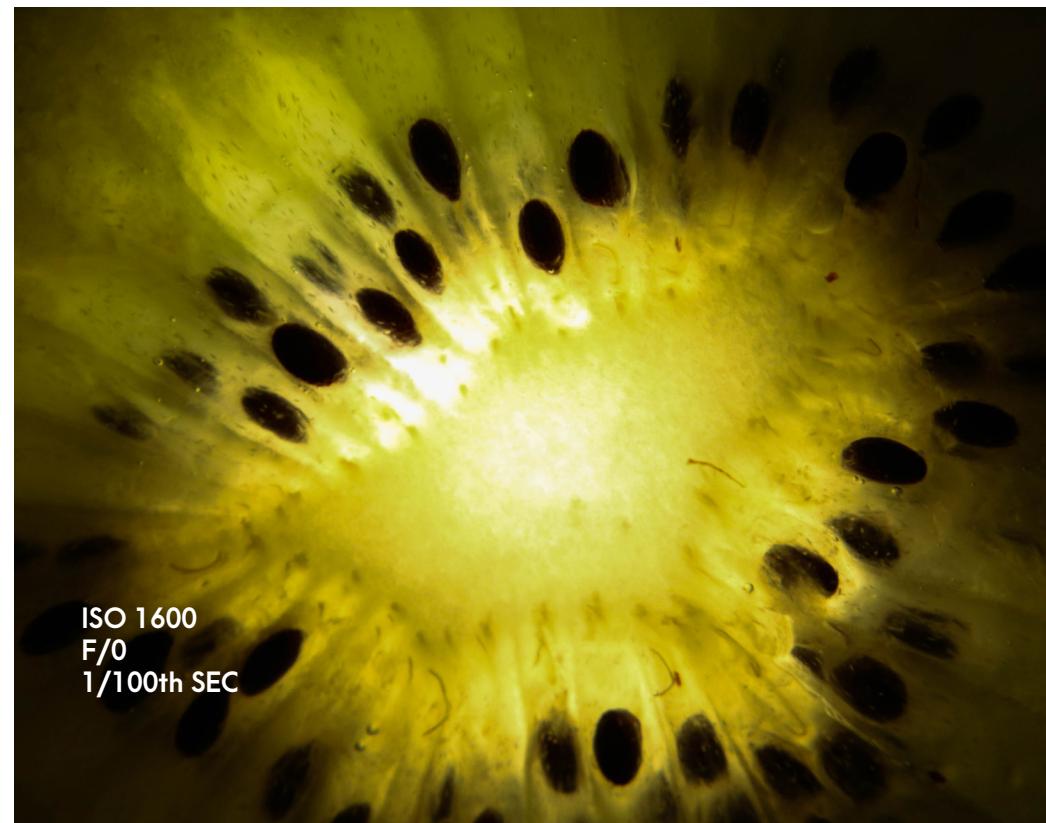
ISO 400
F/0
1/640th SEC



ISO 3200
F/0
1/125th SEC



ISO 1600
F/0
1/100th SEC



Small Worlds

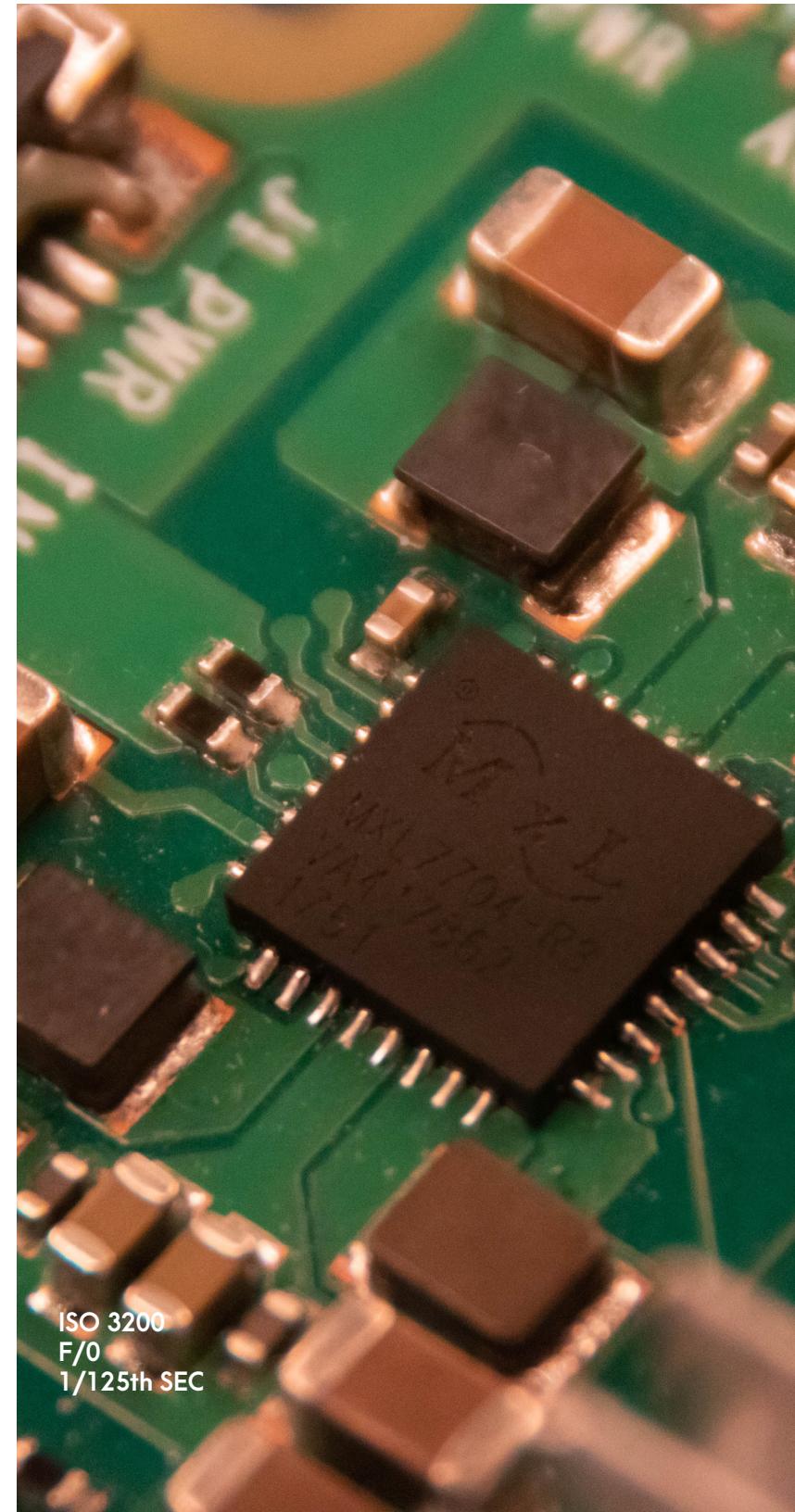
Often we are only concerned with the world that we live in, but our world isn't the only one that exists. Macro photography allows us to see a smaller world that exists right underneath us. In macro photography things looks very interesting as it shows more detail and a different perspective to normal things we see everyday. Macro teaches us to pay closer attention to detail, as there may be something interesting hiding from plain sight.

The image on the right is a very close up view of a circuit board displayed at the new science and tech museum. Other macro pictures were taken at the museum, but only a handful were useable.

The top left image is of a bee collecting pollen from a dandelion. It takes a lot of patients to find the opportunity of a photo like this, but after waiting patiently my chance arrived. I made sure to take as many photos of the bee while knowing that many macro shots are often unusable. While trying to get the correct focus, macro can often be a shot in the dark.

The bottom left image is an extreme close up on a person's eye. Out of the 12 photos taken of their eye, only 2 of them were useable. Luckily I managed to get an interesting shot of the eye, showing unique and interesting details of the iris.

Finally, the bottom right image is a macro shot of a kiwi. What really ties the image together is the glow of the kiwi. I accomplished this through my creativity and improvisation. I cut a slice of kiwi, put it on saran wrap, and placed it over a lamp with the use of lego and books. The glow allowed for the viewer to better see the details of the kiwi as well as bring an interesting look to the overall image. This image could also be considered for food photography...



What's Unique about the camera is how it can keep its shutter open for extended periods of time. When done properly, the camera can capture traces of light in the dark. More specifically within these photos my camera captured the traces of the car lights.

The photo on the bottom is of light traces of cars going by on the Queens Way. The full image has the railing perfectly frame the roads to help bring attention. What's unique about this photo is how it shows the merger of the traces onto the one main highway. It also took a couple of adjustments but I managed to make the traces have a kind of glow to itself.

The photo on the right is from the bridge near the baseball stadium. At first I was challenging to find the right spot to take the picture, mainly because of the reflective light on the glass walls. I overcame this by putting a hood on my lens and then leaning the lens against the window. After that I waited for a big group of cars to come by, which didn't take that long.

Traces of Light





ISO 200
F/16
25 SEC



ISO 1600
F/22
6 SEC

Living Ghosts

While the shutter of the camera is open, there are many other things you can do instead of light painting. What I decided to do is take advantage of the ghost like figures that are left behind when I make movement. From there I made many interesting shots, although it was extremely challenging.

There was a point where I had to accept that it would be nearly impossible to take an image with a sharp version of me with multiple hands, but overall I generally got what I wanted out of it.

For the image on this page, what I wanted to have it look like is as if there are ghost coming out of me. This is a good example of when things do not turn out as great as you imagine it.

Maybe with a bit of help I would have been able to pull off each photo successfully with help from others, but the challenge alone was fun.

ISO 400
F/22
6 SEC



Luminous Warmth

Another amazing thing that some cameras are able to capture is infared light. There is a whole spectrum of light, and our eyes can only see a fraction of that spectrum. By using the an infared camera, or faking the infared effect, we get a stunning image with pale yet life like shades of red and pink.

The image at the far right was at the beginning of a board walk. It lead to a beautiful path with a great amount of greenary. Although it was raining, the beauty remained. Like every beginning, it may seem to be cold, wet, or ugly, but looking back has you realize that it was truely wonderful.

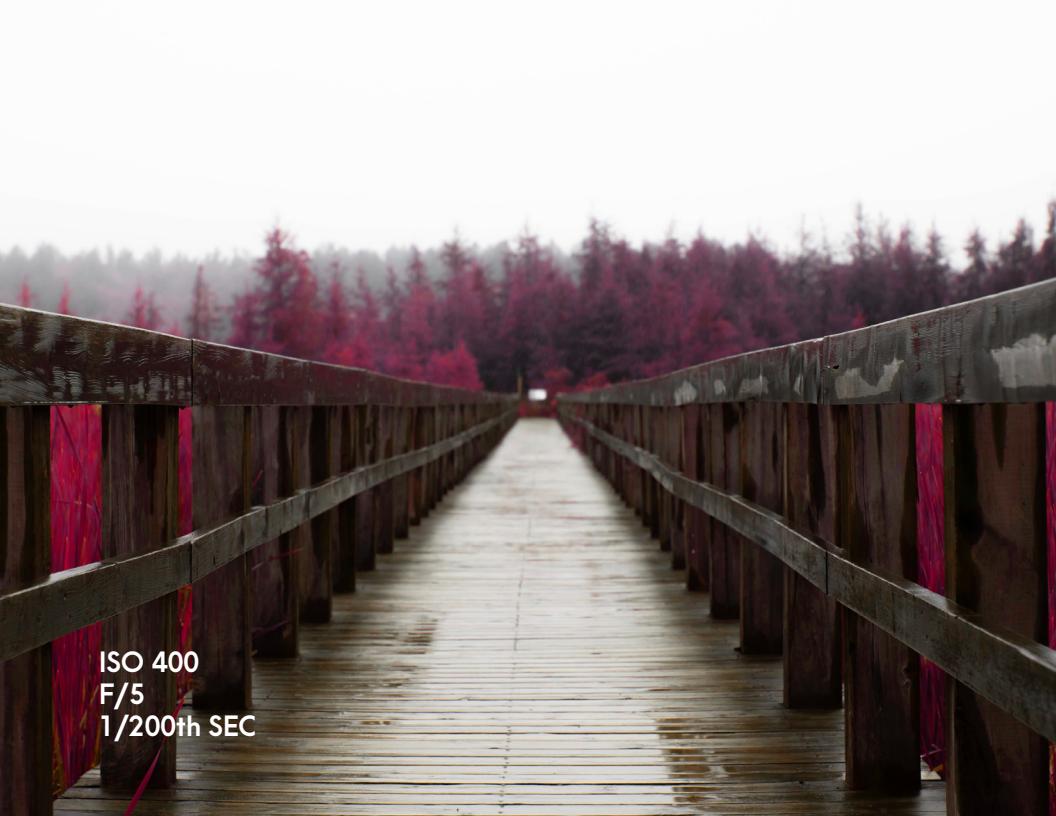
The image at the bottom left of the page was taken in the middle of the board walk. It gave me a simple yet busy view of the bog that surrounded me. Like every adventure it may seem that things could get complicated, but often we need to step back and see the whole picture in a more simple perspective.

The final photograph that I will every be showing you is the one at the top left. This was taken as I got closer to the end of the board walk. It reminds me that although my high school career is over, there is so much more left to be done.

As a photographer it shows me that there are more steps to be taken to improve. As a person it teaches me to enjoy lifes path, as it is often a short one.

I dedicate this book to all those who helped and inspired me to become a photographer. Without you guys I would never be able to see "Invisibilia".

A handwritten signature in black ink, reading "CJ Pang". The signature is fluid and cursive, with "CJ" being a stylized initial and "Pang" written below it in a similar script.



ISO 400
F/5
1/200th SEC



ISO 400
F/5
1/160th SEC



ISO 400
F/5
1/160th SEC