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| **FCHI- Digital Photography & Media, Skills Exercises**  | **AWQ3OI / ASM3MI** |  |

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|  | **Skills Exercises (or Larger Projects) List** | **Photo & Media** |
| **1** | **MMCs - Cell Phone Photography & Editing*** Create a series of pictures and videos with your phone. You can use existing pictures from your summer holidays.
* Consider how to tell a story in under 60 sec
* Present your content in formats such as a scrolling video or mobile video with text, transitions and music.
 | **Mobile Media Creations - Suggestions*** Create a thematic photo collage
* Create a scrolling video for social media using an app such as **PicPlayPos**t
* Create a quick story for social media using an app such as **GoPro Quik**

**Value added:** Try out the **Plotaverse** app to add dynamic movement to your landscape shots.  |
| **2** | **Variation Grid(s)*** Apply different layer adjustments and filters on the same image, repeated in a grid format.
* Key PS Tools: Canvas Size, Adjustment Layers (Levels, Curves, Hue Saturation, Photo Filter, Gradient Map), Layer Masking, Blending Modes, Layer Opacity, Layer Styles.
* Key PS Filters: Gaussian Blur, Blur Gallery >Tilt Shift
* Effective ways to use the Filter Gallery with layers
 | **Variation Grid(s) - Theme Suggestions*** Humans of Kitchener
* Landscapes (sunsets, beach scenes, trees)
* An object from different viewpoints
* Video game pose / satellite photo
* Toy structure
* Food item
* Things to do with a deck of cards
* Balloons & bubbles
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| **3** | **Photo Re-Touching*** Restore and colourize an old photograph in PS.
* Research how to digitally repair an old photograph.
* Share any tips and tricks with the class.
 | **Photo Re-Touching - Key Tools*** Key PS Tools: Spot Healing, Patch Tool, Clone Stamp, Brush Tool, Layer Masking, Layer Group, Blending Mode, Blend If Trick
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| **4** | **Spatial Creativity*** How can you create an abstract or surreal panorama?
* Experiment with a variety of features available to you such as 360 degree camera, cell phone panorama feature, and the tried-and-tested DSLR and a tripod.
* Then stitch and meld your images together in PS.
 | **How will your photo stand out?*** Panoramas use to be a labour intensive process.
* Now with a click of a button we can easily create one.
* Question: What can we do with all the advanced technology available to us in order to produce something unique and not cookie cutter?
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| **5** | **Multiple Exposure Effect*** Superimpose two or more images to create a single image in Photoshop.
* You are basically blending and masking layers.
* Layer Groups can be helpful in this process.
* Using the Pen Tool to create a selection amd mask is another helpful tip.
 | **Multiple Exposure - Suggestions*** Double Exposure Effect
* Pattern Overlay
* Texture Overlay
* Experiment with the Dodge & Burn Tool
* The Gradient Overlay inside the Layer Styles panel can be helpful.
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| **6** | **Custom Light Leaks and Video Overlays*** Explore tricks with a flashlight, LEDs, and patterned glass
* Try overexposing and underexposing the image.
 | **Custom Light Leaks and Video Overlays*** Look for textures, patterns, and shadows to video record or photograph.
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| **7** | **Shutter Speed Effects & GIF Animation*** Experiment with the shutter speed of your camera to create in-camera effects (long vs short exposure).
* Use Photoshop to enhance the special effects created by your camera.
* Create a GIF animation with some of your photos.
 | **Shutter Speed Effects - Suggestions*** Ghost Image (slow-shutter)
* Light Painting (slow-shutter)
* Smoke Art Photography (slow-shutter)
* Stop Action (fast-shutter)
* Levitation Effect (fast-shutter)
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| **8** | **Aperture Effects & GIF Animation*** Experiment with the aperture size of your camera to create in-camera effects.
* Use Photoshop to enhance the special effects created by your camera.
* Create a GIF animation with some of your photos.
 | **Aperture Effects - Suggestions*** Small Depth of Field (large aperture)
* Bokeh, Tilt Shift
* Large Depth of Field (small aperture)
* Landscape or interior shot all in focus
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| **9** | **Optical Illusion Photography & Keyframe Animation*** Can you think of a way to create an optical illusion with a photograph that tricks the eye?
* Check out Hipster Barbie’s Instagram for some ideas.
* You can always experiment with combining a drawing and photograph together. Part of the challenge will be to integrate the two mediums together in a seamless manner.
* After you have finished editing your photo in Photoshop, prepare to bring it into Premiere.
* Inside of Premiere add animated text or graphics with keyframing.
 | **Optical Illusion Photography - Suggestions*** Forced Perspective
* Tricks with the Scale of Toys
* Shadow Design
* Sky Art (use the negative space between buildings)
* Pencil vs Camera
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| **10** | **Optical Effects & Keyframe Animation*** Shoot through items such as a prism, magnifying glass, and a water bottle.
* Experiment with zooming your camera while taking a photograph.
* Use Photoshop to enhance the special effects created by your optical effects trials.
* You may even superimpose different images together.
* After you have finished editing your photo in Photoshop, prepare to bring it into Premiere.
* Inside of Premiere add animated text or graphics with keyframing.
 | **Optical Effects - Suggestions*** Experiment with mirrors and reflections in water.
* With video work, rigs such as a **Snorri Cam** create an unusual sense of vertigo.
* Using a **Lensbaby** will extend what you can do with in-camera optical effects.
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**Goals (Unit Outcomes)**

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| * Demonstrate creativity and style using production techniques and software.
* Experiment with digital photography and video as an art form using software for image manipulation and animation.
* Use still and moving images as a means of communication.
* Incorporate traditional design elements and principles in your work.
* Demonstrate familiarity with software (Photoshop, Premiere) and the basic tools for digital photo manipulation and video editing.
* Demonstrate an understanding of colour correction, layer organization, masking and composition.
* Use proper terminology when discussing your work (e.g. lighting styles, resolution, frame rate).
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