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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 |
| **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 |
| **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? |
| **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. |
| **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. |
| **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 |
| **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 |
| **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. |

**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). |