



Pathfinder Honour: Workbook

Photography (Digital) 1



Name:

Club:

Date Started:

Date Completed:

Instructor Name:

Signature:

Club Director's Name:

Signature:

Please Award Patch:

Date:

To be signed by Authorised Person (ie District Director for Pathfinders) after satisfactory completion. Leaders, please see the Assessment Sheet for a checklist of practical requirements and a short test to check knowledge of honour.

Date Patch Presented

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BEFORE YOU START

Only brief notes are required for the following requirements.

It is recommended that an electronic copy of this workbook be used. Digital pictures can be inserted in the relevant places. Please feel free to adjust the format of this document. Have fun!

Requirement 1: Explain the following:

a.	The principles of digital camera construction and how a digital camera works.	
b.	The effect of light on an image sensor.	
c.	How colour images are created from the BW image the sensor captures.	
d.	What the camera lens does; what focal length means.	

Requirement 2: How are lens aperture and depth of field related?

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Requirement 3: Describe pixels, image resolution, and image size.

Pixels:	
Image resolution:	
Image size:	

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Requirement 4: What are the two types of image compression?

1.	
2.	

Requirement 5: Name and describe three types of image formats

1.	
2.	
3.	

Requirement 6: Give the principle uses of photography.

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Requirement 7: Take pictures illustrating at least eight of the following techniques. Use comparison pictures for illustration:

Please signify the techniques used in the table below. We've left the next page blank for you to insert your photos

a.	Framing	
b.	Camera steadiness	
c.	Direction of lighting - front, side, or backlighting	
d.	Quality of light - shade, sunlight, and time of day	
e.	Rule of thirds	
f.	Angle - eye level, high, and low level	
g.	Level horizon	
h.	Distance from subject - fill the frame	
i.	Use of leading lines	
j.	Correct exposure - underexposed, overexposed, & correctly exposed	
k.	Use of flash - proper distance and reflective objects	

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Requirement 8: Learn how to place photos in PowerPoint (or similar software) and create a presentation showing the pictures you took using the above techniques. Briefly describe what you did.

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Requirement 9: Using a photo editing program on a computer, show ability to crop, colour correct, sharpen, and adjust brightness/contrast to photos. Briefly describe what you did and the program used.

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Requirement 10: Complete at least three creative photographic projects in a photo editing program; such as a CD cover, a photo scrapbook page, a collage, etc. Briefly describe what you did and the program used.

- 1.
- 2.
- 3.

Requirement 11: Have a basic understanding of file organization techniques.

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