



PHOTOGRAPHY

All Levels

Purpose

To gain a good basic understanding of still photography. Photography gives us the opportunity to observe, admire and enjoy this beautiful world which God has blessed us with. It is a means of capturing treasured moments and recording historical events allowing them to be looked back on for the rest of your life. A photograph acts as a perfectly accurate memory of a moment in time. The only boundary in photography is your imagination.

Exploring

How the camera works

All cameras work on the same basic principle. They expose film to light for a certain length of time. Light enters the camera through a lens which focuses the photo subject in relation to its distance from the camera. The strength of the light is then controlled by the aperture (f stop). There is a moveable screen, the shutter, which is activated by pressing the shutter release button on top of the camera. The shutter opens for an instant, just long enough to admit enough light to make an image on the film which has a chemical surface which is sensitive to light.

Types of Cameras

There are three main types of cameras - Simple, Range Finder and S.L.R. (single lens reflex). The simple camera has few if any controls. They are, to a limited degree, automatic. The Range Finder is more complicated with shutter speed controls, aperture control, lens focus and film speed controls. The S.L.R. is the better and more complicated camera. It's main advantage is that you see through your view finder what your lens does by means of built in hinged mirrors. They have controls additional to the Range Finder such as broader film speed, aperture and shutter speed adjustments, built in light meters, self-timer switches etc. They also have, depending on brands, varying degrees of automation and other features. It is best, if possible, for you to do this badge with an S.L.R. camera as a greater depth of understanding will be gained.

Films

It is recommended that a 35mm camera and film be used. Films are available with different developing times: ASA (or DIN). Standard films have an ASA of around 100 which is used for portrait and general photography. Higher ASA films such as 200, 400 or 800 are used for action shots or even night photography. Higher ASA films are more 'grainy'. It is recommended that a 100 or 125 ASA film be used for this badge.

Accessories

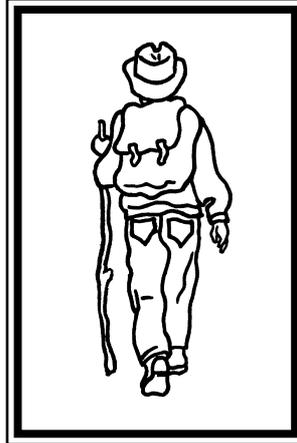
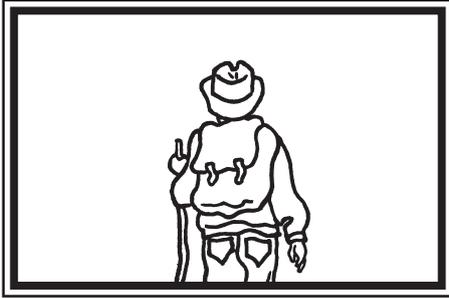
There is a vast range of accessories available particularly for S.L.R. cameras. The most basic accessory is the **flash**. Some cameras have a built in flash while most S.L.R. cameras have a 'hot shoe' flash seat or use a 'L' bracket while still others use a power pack. Wherever possible it is recommended to use natural light as even the more expensive flash has difficulty in producing artificial light equal to natural light. Other common accessories include telephoto and zoom lenses which bring distant subjects much closer, wide angle lenses, ideal for scenic landscapes and group photos and countless filters and screens for varying special effects. Consult your local camera shop and take a look at the many accessories available.

Taking Photographs

Here are a few handy hints.

- Make sure you have all your camera settings set correctly.
- Be aware of all that is in view through your view finder.
- Don't be afraid to take photographs with your camera on its side.
- Press the shutter release button gently.
- Take your time and enjoy yourself.

By taking the photograph with the camera side on (picture on right) you will notice that more of your subject gets on the photo.



Doing

1. Purchase a 100 ASA film with 24 exposures and take some photographs of the following subjects.
 - Scenic landscapes.
 - Group of people.
 - Close up of flowers.
 - Animals.
 - Close up portrait of person.
 - Sport or action shot.
 - A picture illustrating your favourite Bible verse.
 - Display your photos in an album.
2. Be able to explain to your Counsellor.
 - How a camera works.
 - How to load a film.
 - What every feature of your camera is and what it does.
 - The different types of cameras.
 - What you enjoyed most about this badge.

REFERENCES

How to make good photos.

Exposure guide enclosed with the film.

Ask your Counsellor to sign below and arrange for the presentation of your badge.

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