

Introduction

During the introduction I will:

- explain how the very first camera was invented
- conduct optical experiments explaining how the camera and human eye work
- present some simple pinhole cameras
- describe the properties of light sensitive material
- discuss the nature of light and how to use it creatively in photography
- explain what exposure is and how to use it for special effects
- describe the design of the presented Hole Magic pinhole camera and how to expose the picture



Building Pinhole Cameras

For this part of the workshop 11" x 17" sheet of black construction paper and small pages of tracing paper must be prepared for each student. We will also need scissors and masking tape.

During this part of the workshops students will:

- build his/her own simple tube Camera Obscura, using the black paper for a tube and tracing paper for a screen
- learn how to understand light properties and use this knowledge to capture the best possible quality of the image
- observe different objects through the cameras



Experiments in Pinhole Photography

Students will be divided into six groups. Each group will use one Hole Magic pinhole camera.

During the session each group will:

- take two pinhole photographs (portrait or still life)
- watch the pictures being developed in a Portable Mini Darkroom
- discuss the quality of the pictures and choose the best ones for printing into positives



"It was enlightening, entertaining and interactive."

"We did a lot of amazing things. We learned how to do tricks with the camera."

"I learned a lot of things I didn't know, like how to make a 'camera' and how light changes so easily."

from: Student evaluation by Broadview School Council (Ottawa) AIR committee, Nov. 2003