



Pinhole Camera

This pinhole camera is just for fun -- it doesn't really take pictures -- but when you use it, you'll get an idea of how the human eye works. The retina of the eye is often compared to the film in a camera because the retina "takes pictures" of the things you see and sends those images to your brain.

Although you are unaware of the process, the retina actually sees images in reverse. This camera allows you to see a reverse image inside the camera in the same way that the retina views images.

Materials: coffee can, nail, hammer, waxed paper, scissors, towel

Instructions:

1. Hammer the nail through the middle of the coffee can's bottom. Remove the nail.
2. Cut the center out of the plastic coffee-can lid.
3. Cut a piece of waxed paper, approximately 8x8 inches, and place it over the open end of the can.
4. Secure the waxed paper in place by putting the lid back on top of the can.
5. Drape the towel over your head and the coffee can, making sure the towel covers the end of the can that has the nail hole.
6. Now look through the waxed-paper end of the "camera" at an object. The object will appear upside down.



Day Camp/Camping Buckets

A nice place to keep things dry, safe and close at hand while you sit around the campfire or your camp site.

Materials: 5 Gallon Bucket (New), Permanent Markers, Paint Markers, or Paint
Option: Contact Paper or Stickers, Clear Spray Finish

Instructions:

1. Let boys decorate buckets using any of the above paints or markers to decorate.
2. Buckets can be covered with contact paper or stickers.
3. If using markers or paint, spray over the artwork with clear finish to help keep it from chipping off of the bucket.
4. Cover bucket handle with contact paper.

Take Nothing But Pictures

Take a hike or a walk with cameras. Take pictures of flowers, trees, wildlife. Print off the pictures and display them at home.

Do your Good Turn and leave these areas cleaner than you found them.

Soft Seat Camp Buckets

Materials:

1. Round cardboard piece cut same diameter as bucket lid
2. Round piece of quilt batting (use more layers for softer seat) cut same diameter as bucket lid
3. Round piece of fabric cut 6 inches larger than bucket lid, Contact Cement (It's easiest to use a type that comes with a brush)

Instructions:

1. Put Contact Cement on top of quilt batting circle. (Spread evenly with brush)
2. Put Contact Cement on cardboard circle. (Follow directions on cement label, usually you need to let the cement dry)
3. Press both surfaces of cement together, adhering batting and cardboard together.
4. Cover batting with fabric circle, centering batting and cardboard circle in middle of fabric circle.
5. On edges of the fabric that sticks out beyond the edges of the batting/cardboard circle, apply contact cement and spread it evenly with brush. Apply cement to cardboard circle. Let dry.
6. Pull fabric up onto the cardboard and press together. Make sure fabric fits snugly.
7. Cement soft seat to bucket.
8. Ahhh.

Stick to Trails

Stay on marked trails whenever possible. Short-cutting trails causes the soil to wear away or to be packed, which eventually kills trees and other vegetation. Trampled wildflowers and vegetation take years to recover. Stick to trails!