

Lab Procedure Cards

Rainbows

1. Read the background information about rainbows. Write at least three sentences explaining how rainbows occur. Include color order from top to bottom.
2. Look at the light bulb through rainbow glasses. Draw the colors exactly as you see them, including the correct width and where they are from the light source.
3. Reflection: compare what you saw through the rainbow glasses to a rainbow. How are they the same and how are they different?
4. Using only red, yellow and blue watercolors, paint a rainbow on the bottom of your page.
5. Clean up and put the paints away when finished.

Refraction

1. Read the background information about refraction. Write at least three sentences telling how light is bent.
2. Explore with the prisms Try different ways to get rainbows.
3. **Draw** at least four discoveries on your paper, then **write** what you discovered by each drawing.

What Color Is It?

1. You will be looking at each object in the bag through different colored filters. Make a chart to show each object you looked at, and what it looked like through each colored filter.
2. Use a ruler to make sure the lines of your chart are straight, and use good writing so your chart is readable.
3. Write your discoveries from looking through the colored lenses, and answer the following questions:
 - What if the object was the same color as the filter?
 - What if the object was a different color than the filter?
 - What does white paper look like with each filter?
4. Place the items back in the bag.