

EXPLORING THE UNIVERSE

---

# Filtered Light

See some space images  
in a new light!

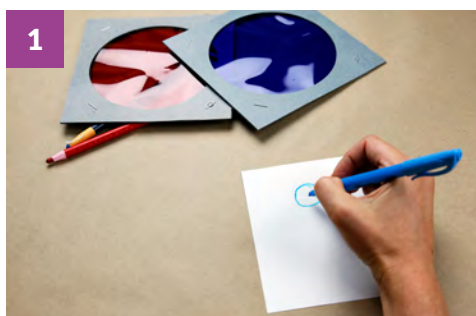




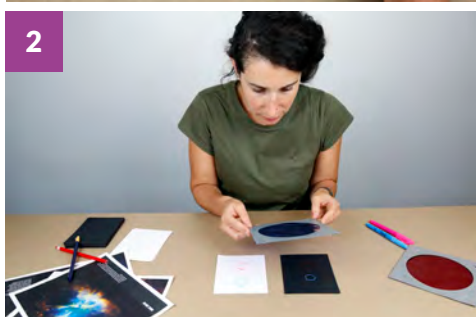
# EXPLORING THE UNIVERSE

## Filtered Light

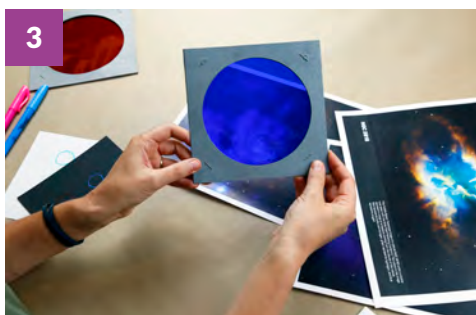
### Try this!



Draw two small circles on the white piece of paper—one with the blue marker and one with the pink marker. Then draw similar circles on the black paper using the red and blue pencils.



Try using the blue and red colored filters to look at your circles. What happens when you look through one of the filters but not the other? Do any of the circles disappear? Do any appear brighter?



Use both filters, one at a time, to investigate the space image. Do some features stand out more if you look through the blue or red filter? Which filter shows you a clearer image? How could this tool be useful to space scientists?



**Now try this!** Draw your own picture on the white or black paper! Observe your drawings with the filters. What changes do you notice? Tip: Use the markers on the white paper and the pencils on the black paper!