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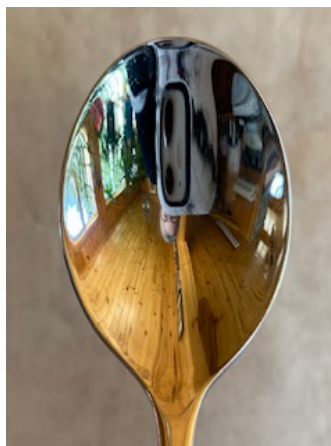
**Mission:** Raven Hill provides a place that enhances hands-on and lifelong learning for all ages by connecting science, history & the arts.

## Reflections

Light energy travels in straight lines as waves. Mirrors work by reflecting those light waves back to our eyes. Look in a mirror and touch your right finger to your right cheek. Where does your finger appear in the mirror? Look in the mirror in the picture of me taking a picture. That is my right hand and the lens of the camera on my phone is really on the left side of my phone! Use an egg timer or draw a picture of a clock on paper and hold it up to the mirror. What do you see—how are the numbers arranged? The number order is reversed. Using a spoon. Find the shiniest one you can and observe your image. What happens when you look at your reflection in the bowl of the spoon? What happens when you look at your reflection on the back of the spoon? What happens to your image, when you hold the spoon upside down? What happens to your image, when you hold the spoon at an angle? Which reflection is your favorite? Which image is the largest? Try different sizes and kinds of spoons! Have a great time with light reflections. Always put things away, when you are done investigating!



1 Gather your supplies



2. Look at yourself in the bowl of the spoon.



3. Look at the back of the spoon.