

More Than Meets The Eye

Mirrors and Mazes | Student Investigation

Introduction:

Mirrors are everywhere! In our homes, schools, cars, bathrooms - we can even see our own reflection in something as simple as water. Large telescopes, like the James Webb Telescope, use curved mirrors to collect light from stars and galaxies to create pictures of these objects. The bigger the mirror, the better picture we see! Webb's primary mirror is 6.5 meters across, the largest mirror ever launched into space!

Activity 1 | **Mirror, Mirror on the Wall**

Research mirrors:

1. What are mirrors made of?

2. How are they made?

3. Why do we use mirrors?

Activity 2 | **Name that Mirror**

With a partner, discuss the different mirrors that you have used or seen today. Examples might include bathroom mirror, rear-view mirror of a car, side-mirror of a car or a hand-held mirror.

Explore mirrors and reflection using:

1. Aluminium foil
2. Back-silvered on glass or plastic
3. Make-up/compact mirror

Activity 3 | **Did you know?**

Mirrors work by reflecting light from the shiny surface back to our eyes. We see a "mirror-image." What does this mean?

