

# Bright Horizons at The Ranch Reserve



Science Rocks at Bright Horizons by encouraging children to question, experiment, observe, record, describe and form conclusions. It is just one component of our unique, comprehensive, planned curriculum that includes STEM, language, culture and art. More than education, we inspire young minds and prepare them for academic success.

## Magnificent Magnification:

**Materials:** magnifying glass, small potted plant

**Children Learn:** observation skills, science vocabulary

**What to Do:** Show your child the magnifying glass and ask how he thinks people would use it. Explain that magnifying lenses help us see things we can't see with our eyes alone. Talk about how a telescope is a lens that allows scientists to see things in outer space like the stars and planets. Next, place the small potted plant on a table and invite your child to look at it closely with her eyes. What does she see? Now, look at it with the magnifying glass. What are the differences? Give your child a piece of paper and ask him to fold it in half. On one half, ask him to draw the plant as it appears to him when he looks with just his eyes. On the other, draw how the plant looks through the magnifying glass. Compare and contrast the two drawings.

## Water Magnifier

**Materials:** newspaper or magazine, water

**What to Do:** Another simple experiment you can do with your child to reinforce the concept of lenses is to use water as a magnifier. Place plastic wrap over sheet of newspaper or a magazine page and ask your child to look at the letters. Next, put a drop of water on the plastic wrap. Ask your child how the letters look through the water. Are they the same or different?

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