PARENT NOTES: REFRACTION!

WATER MAGNIFYING GLASS AND CHANGING DIRECTIONS

Today, we investigated refraction, which is how light bends when it passes through something clear, like water or a glass. We made a magnifying glass from a drop of water to investigate refraction, and then used it to give ourselves the power to confuse baddies with arrows which change directions!

ASK YOUR CHILD

What did you make today?
(Water magnifying glass)

How does your magnifying glass work?
(Light waves are refracted or bent when they go through water, which makes things look bigger)

Why does the arrow look different when you see it through water?
(Light refracts or bends when it passes through the water and the glass. It refracts so much that the arrow looks like it is the other way around, even though it's actually not!)

Did you make a secret code that can only be seen through water?

How do normal magnifying glasses work?
(They used curved glass to bend light, whereas today we used a curved water puddle to do the same)