

Purpose & SOL

- Students will review the properties of magnets and useful applications of magnets. Vocabulary: attract, repel, poles, magnet.
- Science K.3, 2.2

Materials

- N and S cards cut out and one card per student, plus extra
 - Cones to create boundaries and mark where students will stand with partners
 - Magnet Poem (see below)
- Please note: This lesson was adapted from the WJCC School Health Initiative Program

Length
20 min.

Introduction

Students will learn the poem “Magnets” and review the motion to practice the properties associated with magnets. To repel: keep hands flat and push outwards and to attract: bring hands together. Make sure to review the idea of push and pull as well.

Implementation

Around the Room

- 1) The teacher will review with students the properties of magnets; that they attract and repel. Bring pairs of students forward to demonstrate whether they would attract or repel. Hand students index cards and they either attract or repel. Practice the sayings “Back to back, Opposites attract” and “It’s a shame, we’re the same, Repel.”
- 2) The teacher will place cones in the classroom in a large circle.
- 3) Each student will have either a N- or S+ card. They will hold it against their body so that other students cannot see. The teacher will have students walk around quietly and when the teacher calls “Magnetize,” the students will find the cone nearest them and a partner. On the count of 3 they will reveal their card.
- 4) If they are opposite, they will turn back to back and say “Back to back, opposites attract.” If they are the same, they will take a step away from one another and say “It’s a shame, we’re the same, Repel.”
- 5) Students will trade cards with their partner and then move around the room again.
- 6) Play will continue as time allows.

Cool Down

Close the lesson with a 2-3 partner stretch and a final, quiet, recitation of the magnet poem.

Modifications

Supplement this lesson with a magnet race. Have students work in small groups to try to get a magnet from one end of a desk to another using the repelling properties.



Magnets

(Author Unknown)

I am a mighty magnet.

I can be very strong.

(Flex your muscles)

But if you use me exactly right

Nothing can go wrong.

(Shake head no)

I can pick up many objects

But not everything you see.

I only pick up objects

That will attract to me.

(smack hands together)

So take me now and try me out

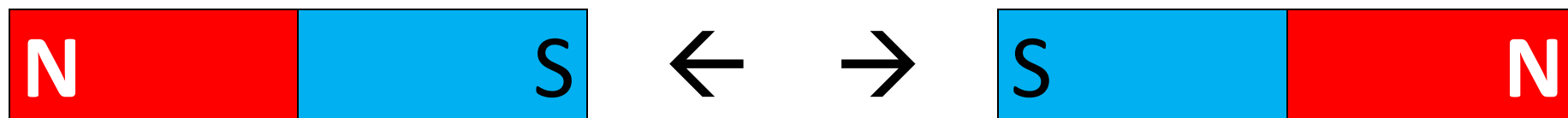
And you will quickly see,

What different kinds of things

Are pushed and pulled by me!

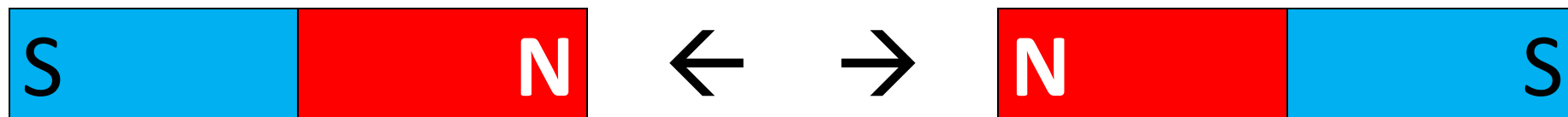
(push both hands away and then pull them toward you)

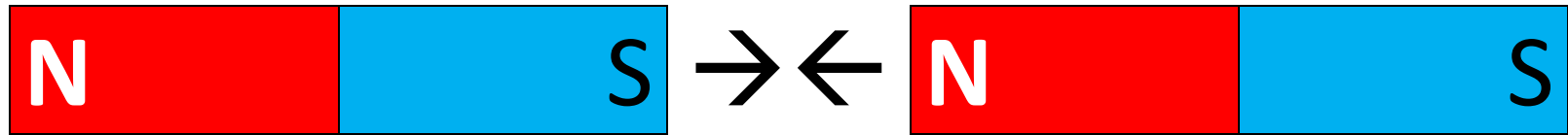
Poem courtesy of: <http://www.brighthubeducation.com/pre-k-and-k-lesson-plans/127723-two-day-magnet-lesson-plan-for-kindergarten/>



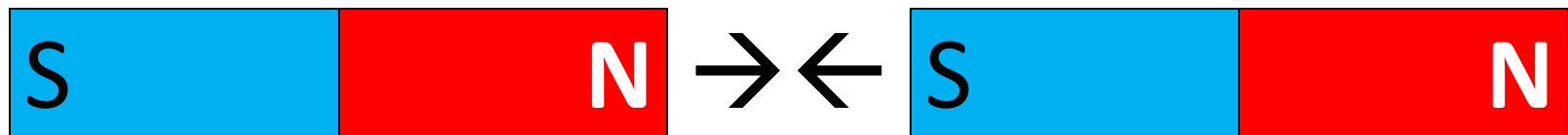
**It's a shame,
We're the same.**

Repel!





**Back to back,
Opposites attract!**



M

magnetize!

N-

→→ **Back to Back,** ←←

→→ **Opposites Attract** ←←

←← **It's a Shame,** →→

←← **We're the Same,** →→

←← **Repel** →→

N-

→→ **Back to Back,** ←←

→→ **Opposites Attract** ←←

←← **It's a Shame,** →→

←← **We're the Same,** →→

←← **Repel** →→

S+

→→ **Back to Back,** ←←

→→ **Opposites Attract** ←←

←← **It's a Shame,** →→

←← **We're the Same,** →→

←← **Repel** →→

S+

→→ **Back to Back,** ←←

→→ **Opposites Attract** ←←

←← **It's a Shame,** →→

←← **We're the Same,** →→

←← **Repel** →→