

Maya and Discover



Maya and Meena Discover Magnets

Maya loved adventures, but this time she wasn't staring at the stars or drilling through the Earth. She was in her backyard with her playful husky, Meena. The big, fluffy dog's brown eyes sparkled as she nosed around a box full of shiny horseshoe magnets.

"Careful, Meena!" Maya laughed as two magnets suddenly *snapped* together with a loud click.

"Whoa," Maya whispered, pulling them apart. "It's like they're alive!"

Meena wagged her tail. "That's

the power of magnetism—an invisible force. You can't see it, but you can sure feel it."

The Mystery of the Invisible Force

Maya held one magnet near a paperclip. Without even touching, the clip jumped into her hand!

"So, magnets don't have to be touching something to pull on it?" she asked.

"Exactly!" barked Meena. "That's what makes magnetism so special—it can act from a distance."

The Strongest Spots: The Poles

Maya noticed the magnet seemed stronger at the ends.

"Those ends are called poles," explained Meena. "That's where the force is strongest."

She pushed two magnets together: the north pole of one met the south pole of another—click! They stuck fast.

"Opposite poles attract," said Meena. "North likes south."

Then she tried pushing two north poles together. The magnets refused to touch, no matter how hard Maya pushed.

"Same poles repel," said Meena. "North pushes north away, and south pushes south away."

Maya giggled. "It's like they're playing tag—sometimes they chase, sometimes they run!"



The Invisible Field

Meena said, "The space around a magnet where it has power is called a magnetic field. Even if you don't see it, the field is all around."

Maya sprinkled iron filings on a sheet of paper and placed the magnet underneath. The filings lined up in curvy patterns, like invisible rivers.

"Wow!" Maya gasped. "So the field shows us how the force

flows."

Magnets and Electricity: Secret Twins

"As a secret," Meena whispered, "magnetism and electricity are like twins. When electricity flows through a wire, it makes a magnetic field. And when magnets move, they can make electricity flow."

Maya's eyes widened. "So one day when we learn about electricity, it will be like meeting magnetism's sister?"

"Exactly," said Meena. "That's how we have lights ②, TVs ②, and even power for our homes—magnets and electricity working together."



Home Again

“So today we learned: magnets don’t have to touch to work, they’re strongest at the poles, opposite poles attract while same poles repel, and every magnet has an invisible field,” Maya said.

Meena barked happily. “And don’t forget—their secret friendship with electricity!”

As they headed inside, Maya smiled. She couldn’t wait to fill out her worksheet and share her adventure in class. ♦♦