The magnet **MAGNETIZES** the nail and creates a strong force of attraction between them.

**MAGNETIC FIELD LINES** transmit a force of attraction between the magnet and the nail.

The **FIELD LINES** go from the magnet to the nail without interruption.

When **FERROUS** material (containing iron) is placed between the magnet and the nail, the material also gets **MAGNETIZED**.

The field lines from the material interact with the nail, but they are much weaker. The nail falls.