

# Second Term Grade 7

## Physics Notes

Book 2

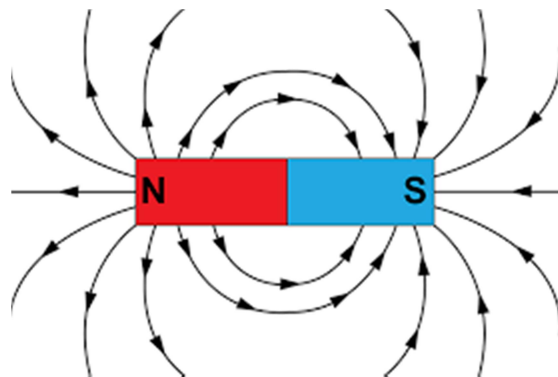
Chapter 4

“Magnets and Electromagnets”

### Define

**Magnetism:** A force of attraction or repulsion which appears between magnets and between magnets and materials such as iron and steel.

**Magnetic fields:** A space around magnet where magnetic materials experience a force. The arrows on the field show direction of the force. Line of forces run from North to South pole.



**Theory of Magnetism:** This theory suggests that magnetic materials contain tiny 'molecular magnets' called domains. They are randomly arranged when the material is unmagnetized. When a magnet is brought nearby they aligned them in the one direction.

