



a WOW Lab

BLUEPRINT

The Maglev Train

Glossary

corbeling - an overlapping arrangement of bricks in which each course extends farther out from the vertical wall than the course below.

current - the flow of charge, usually in the form of moving electrons (electricity).

electron - a negatively charged subatomic particle.

levitation - the raising or rising of a body in the air.

magnetic field - a field produced by electric currents and magnetic materials, which exert a force on other currents and magnetic materials.

magnetic flux - a measure of magnetic field strength existing on a two dimensional surface.

magnetic levitation - an object is suspended only by a magnetic field.

magnetism - the response of a material to a magnetic field.

Meissner effect - the loss of magnetism that a superconductor displays when cooled to its transition temperature in a magnetic field.

superconductivity - the phenomenon of almost perfect conductivity shown by certain substances at temperatures approaching absolute zero.

zero-resistance state - the absence of resistance to an electrical current.