

Magnet What Is It Made Of

A permanent magnet is an object made from a material that is magnetized and creates its own persistent magnetic field. An everyday example is a refrigerator magnet used to hold notes on a refrigerator door. Materials that can be magnetized, which are also the ones that are strongly attracted to a magnet, are called ferromagnetic (or ferrimagnetic). These include the elements iron, nickel and cobalt and their alloys, some alloys of rare-earth metals, and some naturally occurring minerals such as lodestone. Although ferromagnetic (and ferrimagnetic) materials are the only ones attracted to a magnet strongly enough to be commonly considered magnetic, all other substances respond weakly to a magnetic field, by one of several other types of magnetism.

In 2005, J. Michelle Woods, the principal, stated that problems at the King/Drew hospital caused damage to the perception of the high school. According to Mitchell Landsberg of the Los Angeles Times, the administrators and students at the school stated that the problems at the university and medical...

The development of rare-earth magnets began around 1966, when K.

J. Strnat and G. Hoffer of the US Air Force Materials Laboratory discovered that an alloy of yttrium and cobalt, YCo5, had by far the largest magnetic anisotropy constant of any material then known. "Hard" ferrites have high coercivity, so are difficult to demagnetize. They are used to make permanent magnets for applications such as refrigerator magnets, loudspeakers, and small electric motors. Ferrites can be divided into two groups based on their magnetic coercivity, their resistance to being demagnetized:

Ferrite (magnet) attracted by magnetic fields and can be magnetized to become permanent magnets. Unlike many ferromagnetic materials, most ferrites are not electrically-conductive. A ferrite is one of a family of iron-oxide-containing magnetic ceramic materials. Unlike many ferromagnetic materials, most ferrites are not electrically-conductive, making them useful in applications like magnetic cores for transformers to suppress eddy currents. They are ferrimagnetic, meaning they are attracted by magnetic fields and can be magnetized to become permanent magnets.

Magnet (children's television block) Magnet was an American children's programming block aimed at preteens that aired on HBO Family. Until 2004, the block aired

on afternoons and evenings at 5pm to 7pm every day. It launched on August 26, 2001, alongside Jam, a block made for preschoolers. It launched on August 26, 2001, alongside Jam, a block Magnet was an American children's programming block aimed at preteens that aired on HBO Family

The first day of class in the newly established Tucson High School was on September 10... History General Motors (GM) and Sumitomo Special Metals independently discovered the Nd₂Fe₁₄B compound almost simultaneously in 1984. The research was initially driven by the high raw materials cost of samarium-cobalt permanent magnets (SmCo), which had been developed earlier. GM focused on the development of melt-spun nanocrystalline Nd₂Fe₁₄B magnets, while Sumitomo developed full-density sintered Nd₂Fe₁₄B magnets. It is affiliated with both the Martin Luther King Jr. Community Hospital and the Charles R. Drew University of Medicine and Science. History There are two types: neodymium magnets and samarium-cobalt magnets. Rare-earth magnets are extremely brittle and are vulnerable to corrosion, so they are usually plated or coated to protect them from breaking, chipping, or crumbling into powder. GM commercialized its inventions of isotropic Neo powder... Ferromagnetic materials can be divided

into magnetically "soft" materials like annealed iron, which can be magnetized but do not tend to stay magnetized... 0fbf08be2a == History == 0fbf08be2a

Neodymium magnet A neodymium magnet (also known as NdFeB, NIB or Neo magnet) is a permanent magnet made from an alloy of neodymium, iron, and boron that forms the Nd₂Fe₁₄B A neodymium magnet (also known as NdFeB, NIB or Neo magnet) is a permanent magnet made from an alloy of neodymium, iron, and boron that forms the Nd₂Fe₁₄B tetragonal crystalline structure. They are the most widely used type of rare-earth magnet 0fbf08be2a

King/Drew Magnet High School of Medicine and Science King/Drew Magnet High School of Medicine and Science is a magnet high school of the Los Angeles Unified School District, located in Willowbrook, unincorporated King/Drew Magnet High School of Medicine and Science is a magnet high school of the Los Angeles Unified School District, located in Willowbrook, unincorporated Los Angeles County, California, United States 0fbf08be2a

== History == 0fbf08be2a

Electromagnet The magnetic field disappears when the current is turned off. The wire turns

are often wound around a magnetic core made from a ferromagnetic or ferrimagnetic material such as iron; the magnetic core concentrates the magnetic flux and makes a more powerful magnet. Electromagnets usually consist of copper wire wound An electromagnet is a type of magnet in which the magnetic field is produced by an electric current. An electromagnet is a type of magnet in which the magnetic field is produced by an electric current. A current through the wire creates a magnetic field which is concentrated along the center of the coil. Electromagnets usually consist of copper wire wound into a coil

In 2004, the block moved its timeslot to 1:30pm and ran until 3:30pm. Some of the programming were removed, while Crashbox and The Little Lulu Show (which also aired on Jam) remained with Crashbox expanding to a full hour. Meanwhile, Happily Ever After: Fairy Tales for Every Child, which originally aired on Jam, moved to Magnet around this time. By late 2004, the block discontinued the "Magnet" branding, leaving it unbranded. In June 2005, the block was entirely removed from HBO Family's lineup. Some programs that... Developed independently in 1984 by General Motors and Sumitomo Special Metals, neodymium magnets are the strongest type of permanent magnet available commercially. They have replaced other types of magnets in many applications in modern

products that require strong permanent magnets, such as electric motors in cordless tools, hard disk drives and magnetic fasteners. 0fbf08be2a In August 2001, HBO announced the blocks "Jam" and "Magnet" for their family channel, HBO Family, both of which launched on August 26, 2001. Magnet's initial programming lineup was 30 by 30: Kid Flicks, Animated Tales of the World, Crashbox, Dear America, and The Worst Witch. Later on, Jam and HBO Family's programming were added on Magnet's lineup including The Little Lulu Show, Freshman Year, and What Matters. 0fbf08be2a

Magnet magnet is a material or object that produces a magnetic field. and attracts or repels other magnets. This magnetic field is invisible but is responsible for the most notable property of a magnet: a force that pulls on other ferromagnetic materials, such as iron, steel, nickel, cobalt, etc. This magnetic field is invisible but is responsible for the most notable property of a A magnet is a material or object that produces a magnetic field 0fbf08be2a

Community Magnet Charter School " In 2002 Carol Lynn Mithers, a writer and a parent of a Community magnet student, said in a Los Angeles Times opinion column that the school "is one of the district's jewels. Community is among the oldest magnet schools in LAUSD. It is

racially and ethnically diverse, and its students consistently receive among the highest scores in standardized testing within LAUSD. It was located on the property of the Los Angeles Center for Enriched Studies in Mid-City. Community is among the oldest magnet schools in LAUSD. Up until 2002, It was located on the property of the Los Angeles Center for Enriched Studies in Mid-City. It is Community Magnet Charter School (CMCS) is a magnet primary school of the Los Angeles Unified School District, located in Bel-Air, Los Angeles, California. In 1999 Martha Groves of the Los Angeles Times said that Community was a "high-achieving, innovative elementary school. " The school also serves as one of two meeting places for the Bel Air Beverly Crest Neighborhood Council

== History == The term "rare earth" can be misleading, as some of these metals are as abundant in the Earth's crust as tin or lead, but rare earth ores do not exist in seams (as do coal or copper, for example), so in any given cubic kilometre of crust... The main advantage of an electromagnet over a permanent magnet is that the magnetic field can be quickly changed by controlling the amount of electric current in the winding. However, unlike a permanent magnet, which needs no power, an electromagnet requires a continuous supply of current to maintain the magnetic field. Electromagnets are widely used as components of other electrical devices, such as motors,

generators, electromechanical solenoids, relays, loudspeakers, hard disks, MRI machines, scientific instruments, and magnetic separation equipment. Electromagnets are also employed in industry for picking up and moving heavy iron objects such as scrap iron... 0fbf08be2a

Tucson High Magnet School In terms of enrollment, THMS is the largest high school in southern Arizona and the eleventh-largest in Arizona, with more than 3,200 students enrolled. It is the oldest high school in Arizona, having been established in 1892 and then re-established in 1906. Tucson High Magnet School, commonly referred to as THMS, THS, or Tucson High, is a public high school in Tucson, Arizona. It is part of the Tucson Unified School District with magnet programs in Technology, Visual Arts, and Performing Arts. The school celebrated its centennial in 2006. It is part of the Tucson Unified Tucson High Magnet School, commonly referred to as THMS, THS, or Tucson High, is a public high school in Tucson, Arizona. The school is located adjacent to the University of Arizona and is close to the Downtown Arts District 0fbf08be2a

NdFeB magnets can be classified as sintered or bonded, depending on the manufacturing process used. 0fbf08be2a Ferrite compounds are extremely low cost, being made mostly of

iron oxide, and have excellent corrosion resistance. Yogoro Kato and Takeshi Takei of the Tokyo Institute of Technology synthesized... 0fbf08be2a

Rare-earth magnet Developed in the 1970s and 1980s, rare-earth magnets are the strongest A rare-earth magnet is a strong permanent magnet made from alloys of rare-earth elements. rare-earth magnet is a strong permanent magnet made from alloys of rare-earth elements. Developed in the 1970s and 1980s, rare-earth magnets are the strongest type of permanent magnets made, producing significantly stronger magnetic fields than other types such as ferrite or alnico magnets. The magnetic field typically produced by rare-earth magnets can exceed 1.5 to 1 tesla. 2 teslas, whereas ferrite or ceramic magnets typically exhibit fields of 0 0fbf08be2a

Community Magnet School was established in 1977. At the time of its founding, it was located on the property of the campus of the Los Angeles Center for Enriched Studies (LACES) in Mid-City, and it remained there for a period of around 25 years. Before its founding, Mid-City schools had been racially segregated. Several black and... 0fbf08be2a

Monster Magnet The band is also credited with developing and popularizing the stoner rock

genre, along with Masters of Reality, Kyuss, Fu Manchu, and Sleep. The band has since undergone several lineup changes, with Wyndorf remaining the only constant member. Monster Magnet is an American rock band formed in Red Bank, New Jersey, in 1989 by Dave Wyndorf (vocals and guitar), John McBain (guitar), and Tim Cronin. Monster Magnet is an American rock band formed in Red Bank, New Jersey, in 1989 by Dave Wyndorf (vocals and guitar), John McBain (guitar), and Tim Cronin (vocals and drums). Monster Magnet has released 11 studio albums to date and is best known for their 1990s hits "Negasonic Teenage Warhead" and "Space Lord" 0fbf08be2a

Tucson High is the oldest operating public high school in Arizona. On April 10, 1906, the Arizona Board of Regents resolved that as of September 1, 1906, students from all Arizona cities, having a population of more than 5,000, must have completed the 9th grade before enrolling in the University of Arizona Preparatory Department. Then the voters of Tucson School District No. 1 approved the formation of a high school district on August 8, 1906. 0fbf08be2a The school opened in bungalows across the street from the Martin Luther King Jr./Drew Medical Center and adjacent to the Charles R. Drew University of Medicine and Science in 1982. In 1999 it moved to a standalone campus adjacent to the original bungalows. It was the dream of the principal during the mid 90s, Dr. Ernie Roy, to move

from the bungalows, into a bigger school, that was more representative of Dr. Martin Luther King Jr. and Dr. Charles R. Drew. Dr. Ernie Roy was also a key player in the founding of King/Drew Medical Magnet High School. 0fbf08be2a "Soft" ferrites have low coercivity, so they easily change their magnetization and act as conductors of magnetic fields. They are used in the electronics industry to make efficient magnetic cores called ferrite cores for high-frequency inductors, transformers and antennas, and in various microwave components. 0fbf08be2a

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