

June 9, 2020

MagLab Summer Exploration Series Week 2 Links

Hey everyone! I'm sharing a few links that will help explain the structure of magnets and the importance of electrons in physics. In addition to the explanations there are some interactive links related to physics as well.

To get a better grasp of the science that makes magnets work, read all about [Magnets from Mini to Mighty](#).

Humans have a disadvantage of not being able to sense or see magnetic fields, so here's a demo we developed for [Seeing Magnetic Field Lines](#). These fields are created by the alignment of unpaired electrons, called [Magnetic Domains](#).

Looking at the world of physics, electrons play a large part in the explanation for how many things work. Chief among them are magnetism and electricity. Here are a couple of videos to get a better view at how things work, what we call See-Thru Science.

- [How Van de Graaf Generators Work](#)
- [How Microwaves Work](#)

Now that you've watched those, you can participate in the next few links because these are all interactive tutorials

- [Compasses in Magnetic Fields](#)
- [Magnetic Domains](#)
- [Diamagnetic and Paramagnetic](#)

Have you ever heard of a frustrated magnet? [Take 2 with Dr. Christianne Beekman](#) as she describes her work with thin films of frustrated magnets.

Any questions? Email [Carlos R. Villa](#).