

which explain the forces

between things with MASS,

or ELECTRIC fields, which

explain the forces be-

tween things with ELECTRICAL CHARGE.

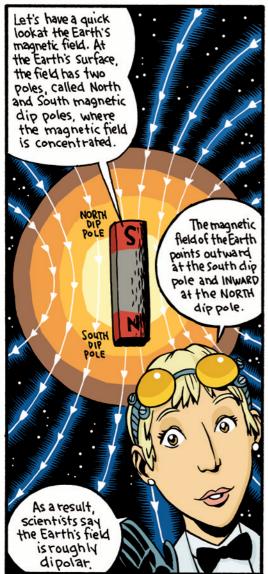


Well, a magnetic field

explains the forces

that exist between

electrical currents.



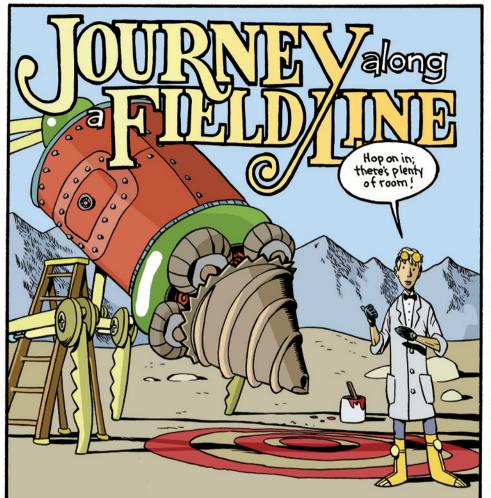


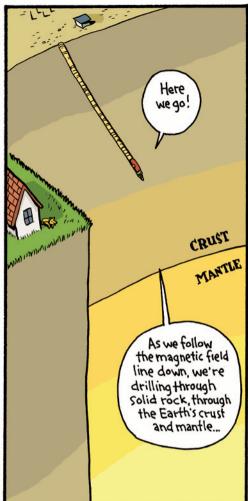
















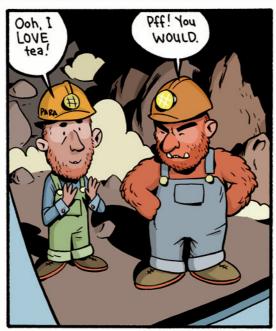




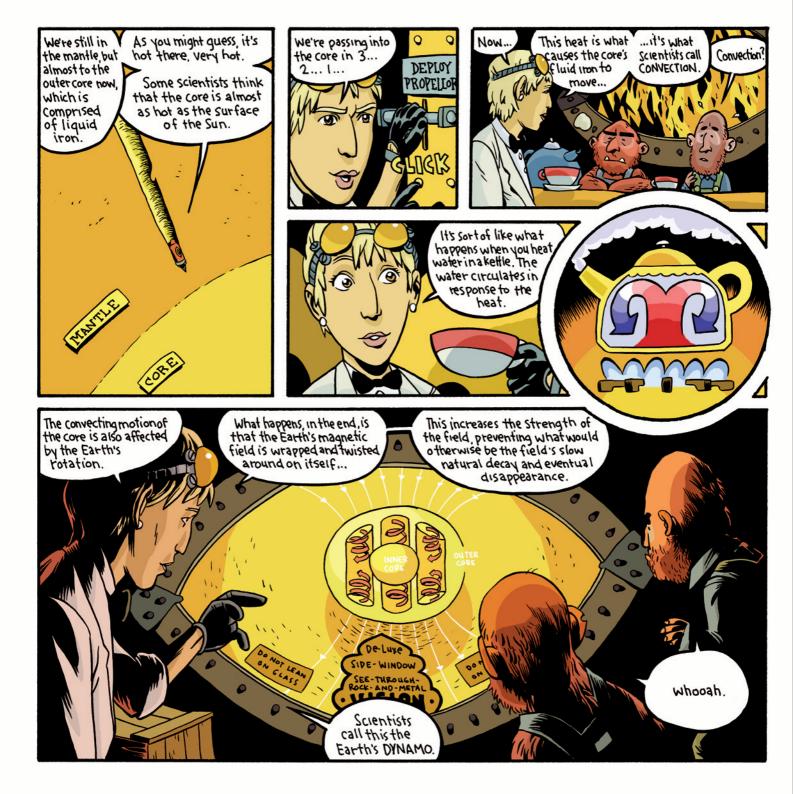


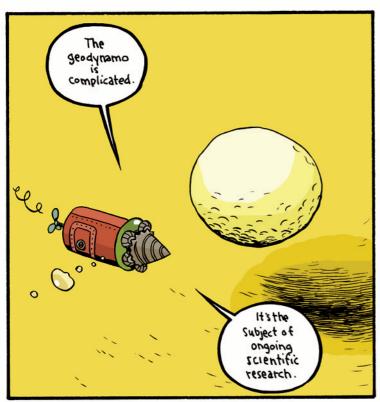
















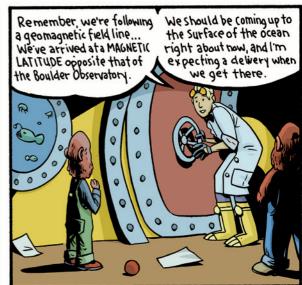


Because the core is convecting, causing the field in the core, as well as the field we can measure on the surface, to move around. Scientists Call this SECULAR VARIATION, and it is why the field needs to be constantly measured and why new magnetic maps need to be made every few years.



















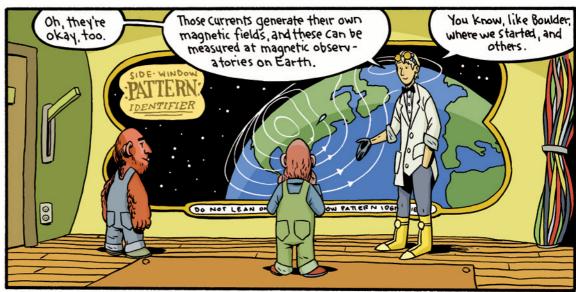




The ionosphere is Radio Waves can be bounced the electrically conducting part off the bottom of the Earth's of the ionosphere atmosphere. allowing for It's useful! communication over long distances that's good.

Every day, as the Earth rotates, the heat from the Sun Causes ionospheric winds. As the winds flow through the Earth's magnetic field, electric currents are generated.



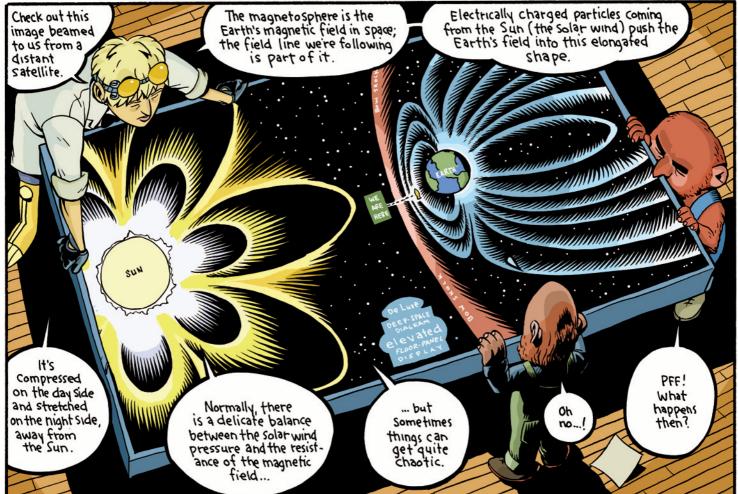












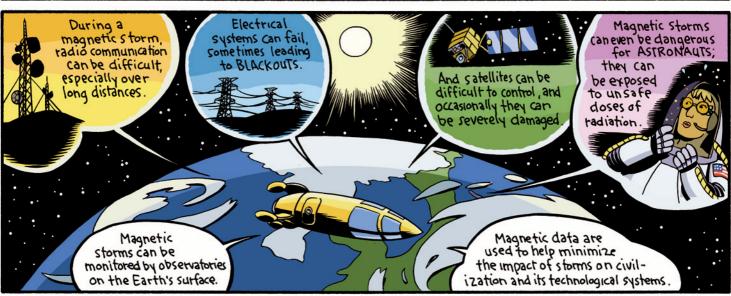




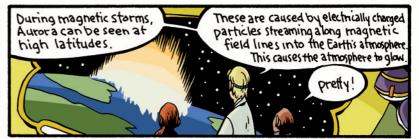


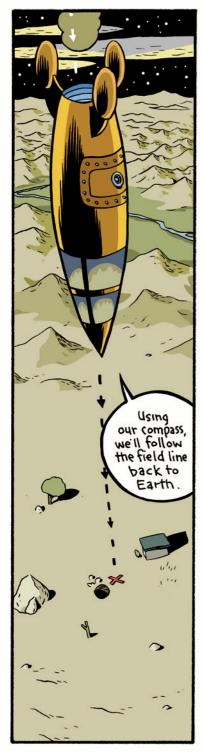




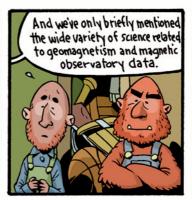


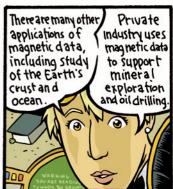






















Actually, it's

down; it'sat

like the field line.



