SCIENCE BEHIND SUPERHEROES ISSUE #1

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LONGEST COMIC EVER

A CRAFTED COMICS LIMITED SERIES

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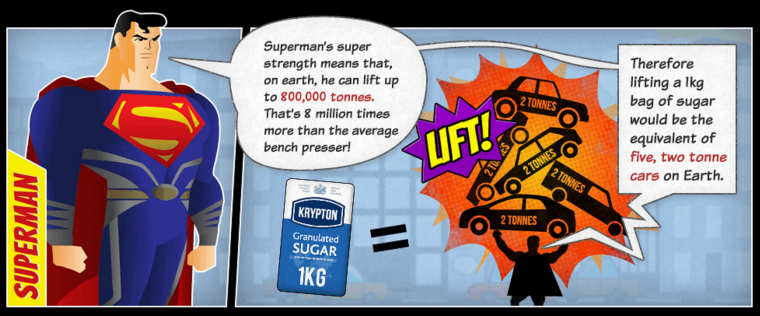
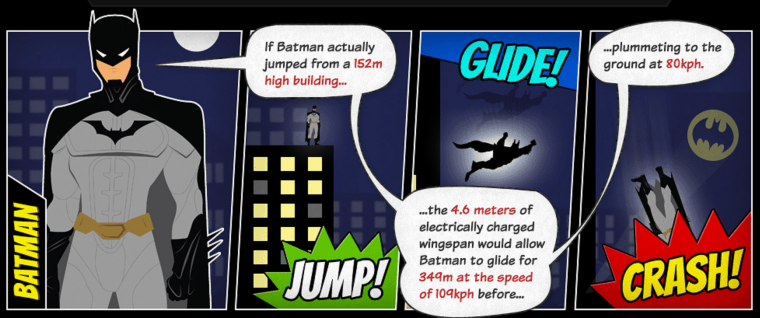
THE SCIENCE BEHIND SUPERHEROES

Ever wanted to know what it takes to be a superhero? How many calories you'd need to consume to reach incredible speeds or how much strength you'd need to build to overpower Superman? All those questions and more are answered – we've revealed the science behind superheroes and now it's up to you to start the construction of your lab.



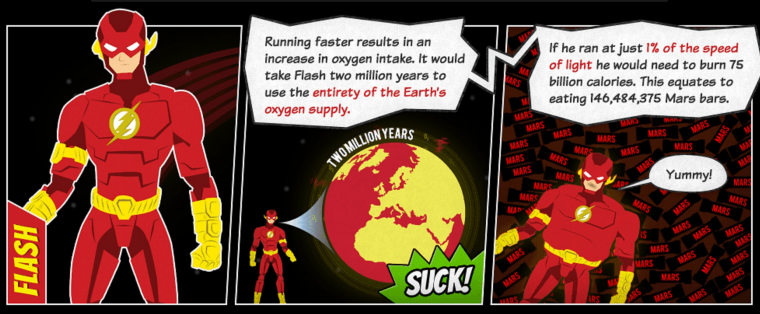
SPIDERMAN'S FEET

Scientists are studying the feet of Geckos to see how they cling to walls. It is unlikely this will ever allow humans to have this ability as when an organism's size is doubled, it's mass is squared so gravity is exerting proportionaly more force upon it.



STORM'S POWER

When Storm sets off a lightning bolt, the energy released is about 500 million joules, equivalent to 120,000 calories of energy. In order to produce a single bolt, Storm would have to eat 60 times the recommended daily calorie intake. That would mean eating approximately 522 Big Macs a day.



WONDER WOMAN'S LASSO OF TRUTH

William Moulton Marston, the psychologist who created Wonder Woman, was the inventor of one of the first lie detector tests. It monitored blood pressure and observed changes to physiology of the subject telling a lie. It was this invention that later inspired Marston to create the Lasso of Truth, Wonder Woman's weapon that forces those she captures to tell the truth.

ATTRIBUTIONS & SOURCES

Superman, Batman, & Flash superhero characters
Jaycey Celdarin (huatist.deviantart.com)

Car, hamburger, & spider web icons
Denis Frezzato, from The Noun Project (thenounproject.com)

Sources

popsci.com/entertainment-gaming/gallery/2008-01/superhero-physics?image=1

cosmosmagazine.com/node/3137/full

dispatch.com/content/stories/science/2012/01/29/superheroes-physics.html

theglobeandmail.com/technology/science/superhero-physics-batman-cape-glide-likely-fatal/article4400657

www2.macleans.ca/2012/02/27/the-science-of-superheroes

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