Content Literacy: Teaching STEM with Comics
New York Comic Con 2015 Panel - Graphic Novels, Comics, and Resources

Science

Human Body Theater by Maris Wicks
A humorous, yet detailed description of the human body. It covers how the body works and how the systems can “malfunction.” A great and entertaining intro to the topic.

Last of the Sandwalkers by Jay Hosler
When field scientist Lucy defies the law of her safe but authoritarian home on an oasis by leading a team of researchers into the desert to learn about the greater world, what she finds will change everything, beginning with the knowledge that beetles are not the only living creatures. This cleverly gives over a science lesson for anyone interested in bugs and other living creatures.

Dinosaurs: Bite of the Albertosaurus by Bloz, art; Arnaud Plumeri, story; Maëla Cosson, color; Nanette McGuinness, translation; Janice Chiang, letterer.
Four books in this series already. The books describe different breeds of dinosaurs and how they lived. What they ate. Why they likely became extinct.

Feynman by Jim Ottaviani, Leland Myrick
A biographical account of Physicist and Nobel Prize winning Richard Feynman.

Squish series by Jennifer L. Holm & Matthew Holm
This is an entertaining story about Amoebas, but some science gets in there.

Stinky Cecil in Operation Pond Rescue by Paige Braddock
Cecil discovers that a highway is headed for their pond and is going to endanger all the animals.
“... blends weighty themes such as life deforestation and habitat destruction with light and often hilarious dialogue...This work should appeal to a wide variety of readers—especially science teachers...”
— School Library Journal

Little Robot by Ben Hatke
A sweet, almost wordless story, about a Robot that gets separated from its shipment and found by a little girl. She becomes attached to it, and is even able to create her own version to give him company.

Level Up by Gene Luen Yang
Dennis would rather play video games than go to Medical School.

Secret Coders by Gene Luen Yang
Using their wits and their growing prowess with coding, Hopper and her friend Eni are going to solve the mystery of Stately Academy no matter what it takes!

In Real Life by Cory Doctorow; Illustrations by Jen Wang
A glimpse into online multiplayer role playing games. Anda befriends a goldfarmer online and discovers her new friends is illegally obtaining things and selling it.
**Engineering**

*T-Minus: The Race to the Moon* by Jim Ottaviani, Zander Cannon, Kevin Cannon

A graphic novel depiction of a fictional story about the space race, in which two global superpowers along with a number of pilots, engineers, and scientists work to send the first man to the moon.

**Howtoons: Tools Of Mass Construction!** By Dr. Saul Griffith, Nick Dragotta, Joost Bonsen, Jeff Parker, Warren Simons; artist[s], Nick Dragotta, Sandy Jarrel, Meredith McClaren, Jason Marzloff

"Follow Celine and Tucker as they learn the secrets of making their own entertainment. Challenged to make something 'other than trouble,' this brother and sister pair use everyday objects to invent toys that you can build"—Back cover.

**Trinity: A Graphic History of the First Atomic Bomb** by Jonathan Fetter-Vorm

More history than science, the story of how the first Atom Bomb was built. But it does explain some basic scientific concepts within the title.

**First in Space** by James Vining

A graphic novel based on the true story of Ham, a chimpanzee trained by NASA scientists to test the biological viability of sending humans into space. More historical than technical, but

**Laika** by Nick Abadzis

A graphic novel account of the life of Laika, an abandoned Samoyed-Husky puppy that became a sacrifice to science when it was launched into space by the Russians in 1957 as the first sentient creature to leave Earth's orbit, with no plans for its return. This is a bit more historical, but the space race is an important part of our science history.

**Math**

**Prime Baby** by Gene Luen Yang

Thaddeus Fang, an eight-year-old boy with a vivid imagination, learns that his new sister, who he did not like very much anyway, is a conduit for peace-loving aliens from another dimension, and as he tries to convince his parents and the general public about the threat, he devises ways to get rid of his new sibling.

**Recommendations From the Panel Members**

*The Infinite Wait and Other Stories*, by Julia Wertz
*Cancer Made Me a Shallower Person*, by Miriam Engelberg
*Marbles*, by Ellen Forney
*Doonesbury: The Long Road Home*, by Garry Trudeau
*Triassic Terrors*, Dustin Harbin, Nobrow Press
*Behold! The Dinosaurs*, Dustin Harbin, Nobrow Press
*Primates*, Jim Ottaviani, Art by Maris Wicks
*Monsters*, Ken Dahl
*March*, Congressman John Lewis, Andrew Aydin, art by Nate Powell

**Online Resources**

From Indiana University Southeast Librarian Melanie Hughes
Stem Graphic Novels: [http://libguides.ius.edu/stem](http://libguides.ius.edu/stem)

Comic Book Legal Defense Fund: [http://cbldf.org/resources/](http://cbldf.org/resources/)