**Table 1 – Graphic Novels Aligned to Disciplinary Core Ideas**

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| **Title & Author(s)** | **Publisher** | **Brief Summary** | **Grade Level** | **Disciplinary Core Ideas**  (Note: For multi-issue publications, the DCIs are examples from across issues) |
| *Batgirl* by Hope Larson | DC Comics | Barbara Gordon (yes, Commissioner Gordon’s daughter) is Batgirl. Living and making her way through life in Burnside by day, dealing with criminal masterminds by night. Her topnotch computer science skills often come in handy when dealing with villains. | 7-12 | LS3B: Variation of Traits  ESS2D: Weather and Climate  PS4C: Information Technologies and Instrumentation |
| *Black Panther*  by Ta-Nehisi Coates | Marvel Comics | T’Challa is Black Panther and the leader of the technologically advanced Wakanda. He has to figure out how to address his country’s needs and the forces conspiring against them. | 7-12 | ETS1B: Developing Possible Solutions |
| *CheMystery*  by C. A. Preece | ThunderStone Books | Middle school and high school students explore chemistry concepts. From navigating their supernatural abilities because of radiation to experimenting with different slime recipes, these issues cover a range of topics. | 6-9 | PS1A: Structure and Properties of Matter  PS1B: Chemical Reactions  PS1C: Nuclear Processes |
| *HowToons: Tools of Mass Construction*  by Dr. Saul Griffith and Nick Dragotta | HarperCollins | Follows Tucker and Celine in their mini-adventures as they set up various experiments and engineering projects with items from around the house. | 6-12 | PS3A: Definitions of Energy  PS3B: Conservation of Energy and Energy Transfer  PS1B: Chemical Reactions  ETS1B: Developing Possible Solutions  ETS1C: Optimizing the Design Solution |
| *Moon Girl and Devil Dinosaur*  by Brandon Montclare, Amy Reeder, and Natacha Bustos | Marvel Comics | Lunella Lafayette is Moon Girl, “the smartest there is.” She has to deal with her annoying classmates and her prehistoric sidekick, Devil Dinosaur. Life gets more complicated during the full moon when Moon Girl and Devil Dinosaur switch brains. | 7-9 | LS1D: Information Processing  ETS1B: Developing Possible Solutions |
| *Ms. Marvel*  by G. Willow Wilson | Marvel | Kamala Khan, a Pakistani American teenager, becomes Ms. Marvel after being exposed to the Terrigen mist. In between physics homework and family obligations she has to figure out how to use her new powers while battling crime in Jersey City. | 7-11 | PS2A: Forces and Motion  LS3B: Variation of Traits |
| *Spectra*  by Rebecca Thompson and Kerry G. Johnson | PhysicsCentral | Lucinda “Lucy” Hene, aka Spectra, is a laser superhero working with her friends Kas, Ruby, and Gordy to stop evil forces at Nikola Tesla Middle School. Issues available at <https://www.physicscentral.com> | 6-9 | PS2A: Forces and Motion  PS2B: Types of Interaction  PS3A: Definitions of Energy |
| *The Manga Guide to Molecular Biology*  by Masaharu Takemura, Sakura, and Becom Co., LTD | No Starch Press | Students Rin and Ami have to attend summer school because they have been skipping class all semester. Read about their adventures as they use a virtual reality machine to explore the human body. | 9-12 | LS1A: Structure and Function  LS1C: Organization for Matter and Energy Flow in Organisms |
| *The Manga Guide to Physics* by Hideo Nitta, Keita Takatsu, and Trend-Pro Co., LTD | No Starch Press | Megumi Ninomiya is high school student struggling with physics (and her tennis game). With help from her classmate, Ryota Nonomura, she gets back on track. | 9-12 | PS2A: Forces and Motion |
| *The Unbeatable Squirrel Girl*  by Ryan North & Erica Henderson | Marvel Comics | Doreen Green, college student and computer science major, is Squirrel Girl. Together with Tippy-Toe (her best squirrel friend) and her roommate Nancy Whitehead she deals with villains from across space and time. | 5-8/7-9 | PS2A: Forces and Motion  LS3B: Variation of Traits |
| *World of Viruses*  by various authors and University of Nebraska-Lincoln | University of Nebraska Press | Viruses from measles to human papillomavirus come alive in this comic series from the University of Nebraska-Lincoln. Issues available at <http://worldofviruses.unl.edu/comics-apps/> | 6-12 | LS1A: Structure and Function  LS2A: Interdependent Relationships in Ecosystems |