

Empirical Rules the World: Promoting Graphic Novels and Information Literacy in the STEM Classroom

Summary

Graphic novels have become popular learning tools in libraries and classrooms. To date very little has been done to promote the use of graphic novels in STEM classrooms. The purpose of this proposal is to determine if using graphic novels will improve student information literacy skills and success in the college statistics classroom.

Research Driven

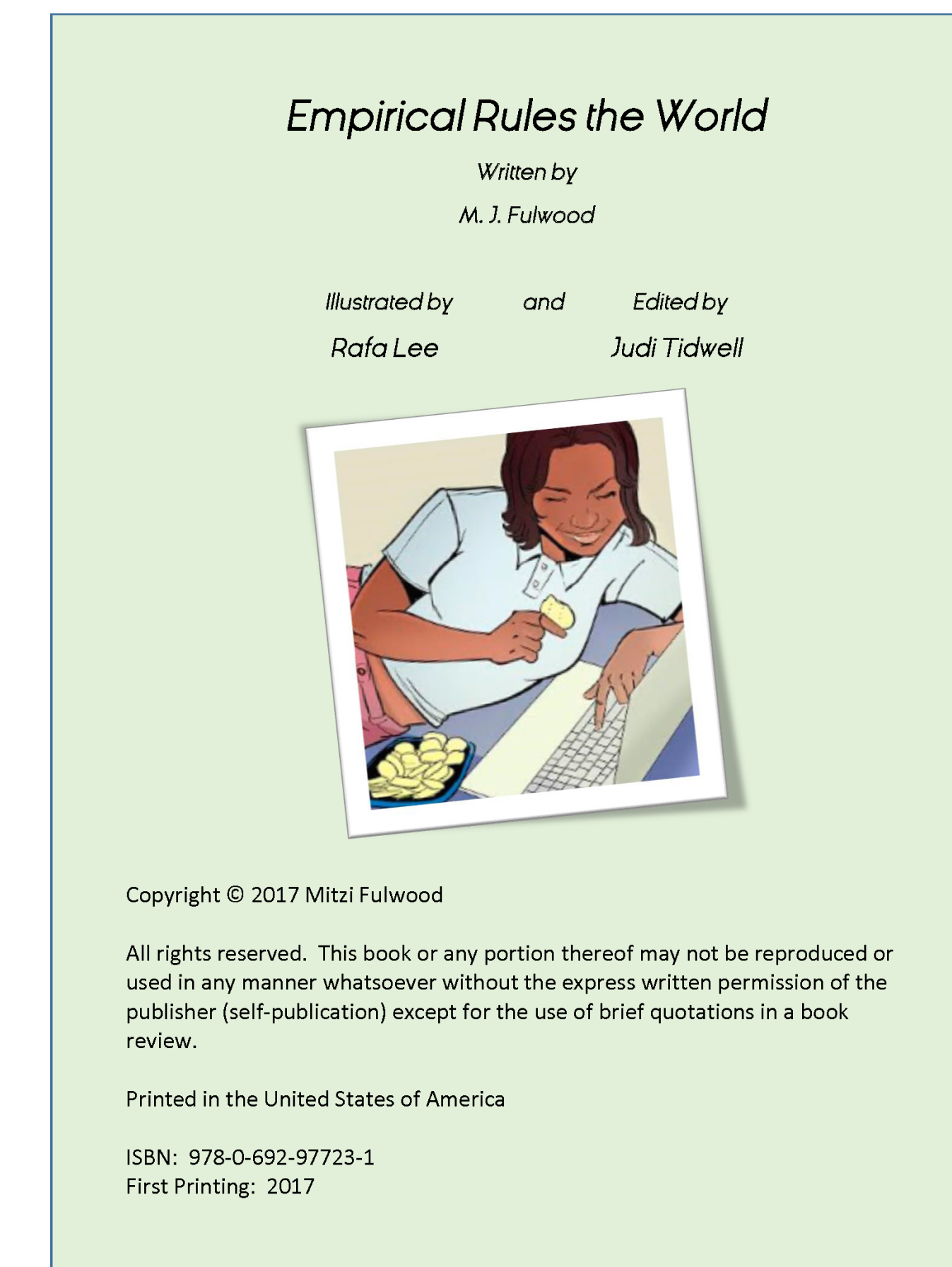
Graphic novels and the embedded librarian concept are both recent innovative tools with supporting research that has shown an increase in student success (Brenner, R., 2015; Smith. S. S, & Sutton, L., 2010).

BC Strategy

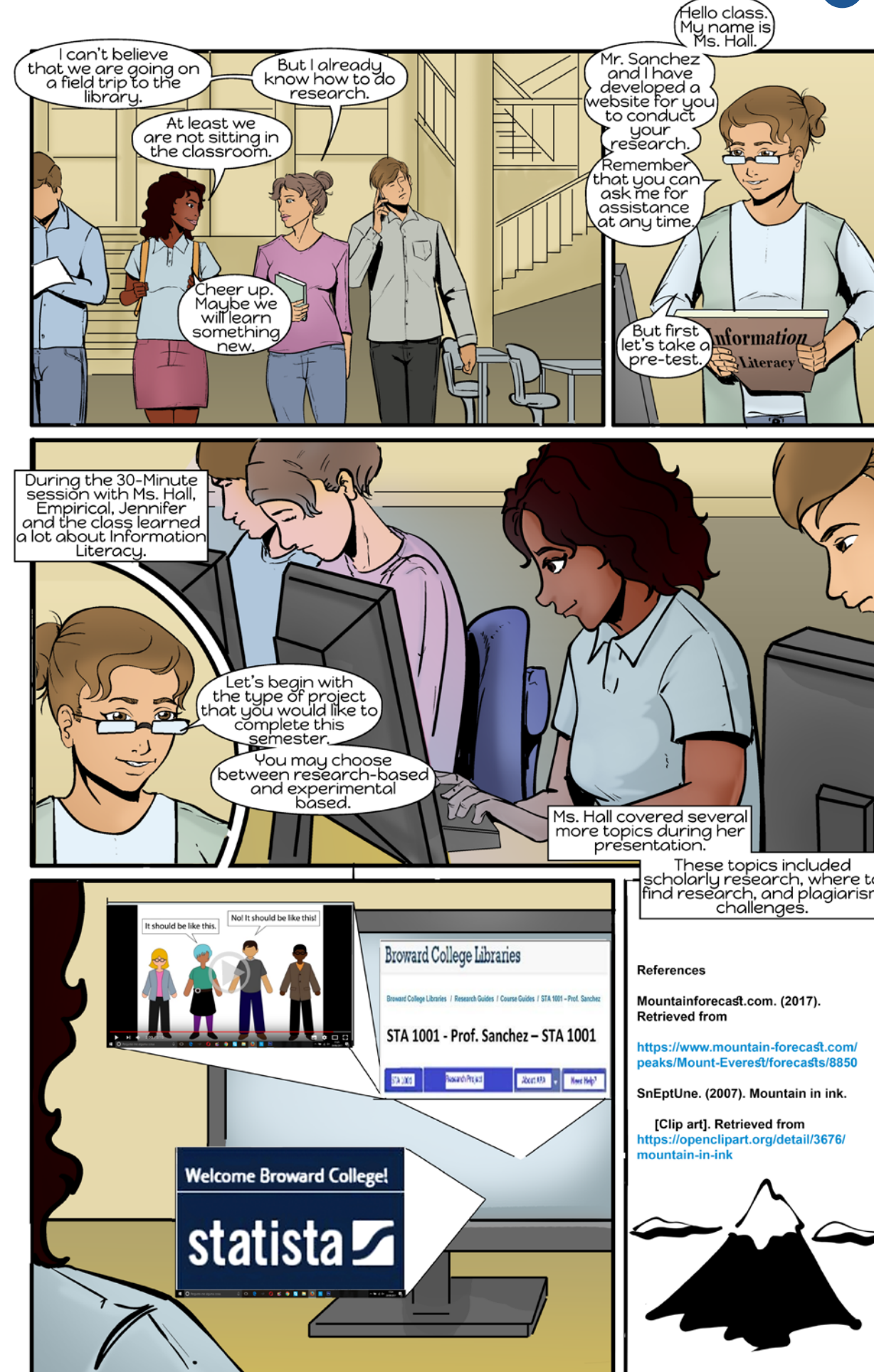
Strategy 2 in the BC Strategic plan for 2017-2022 attempts to employ both a faculty member and a librarian to use innovative tools to increase students' success.

Goals

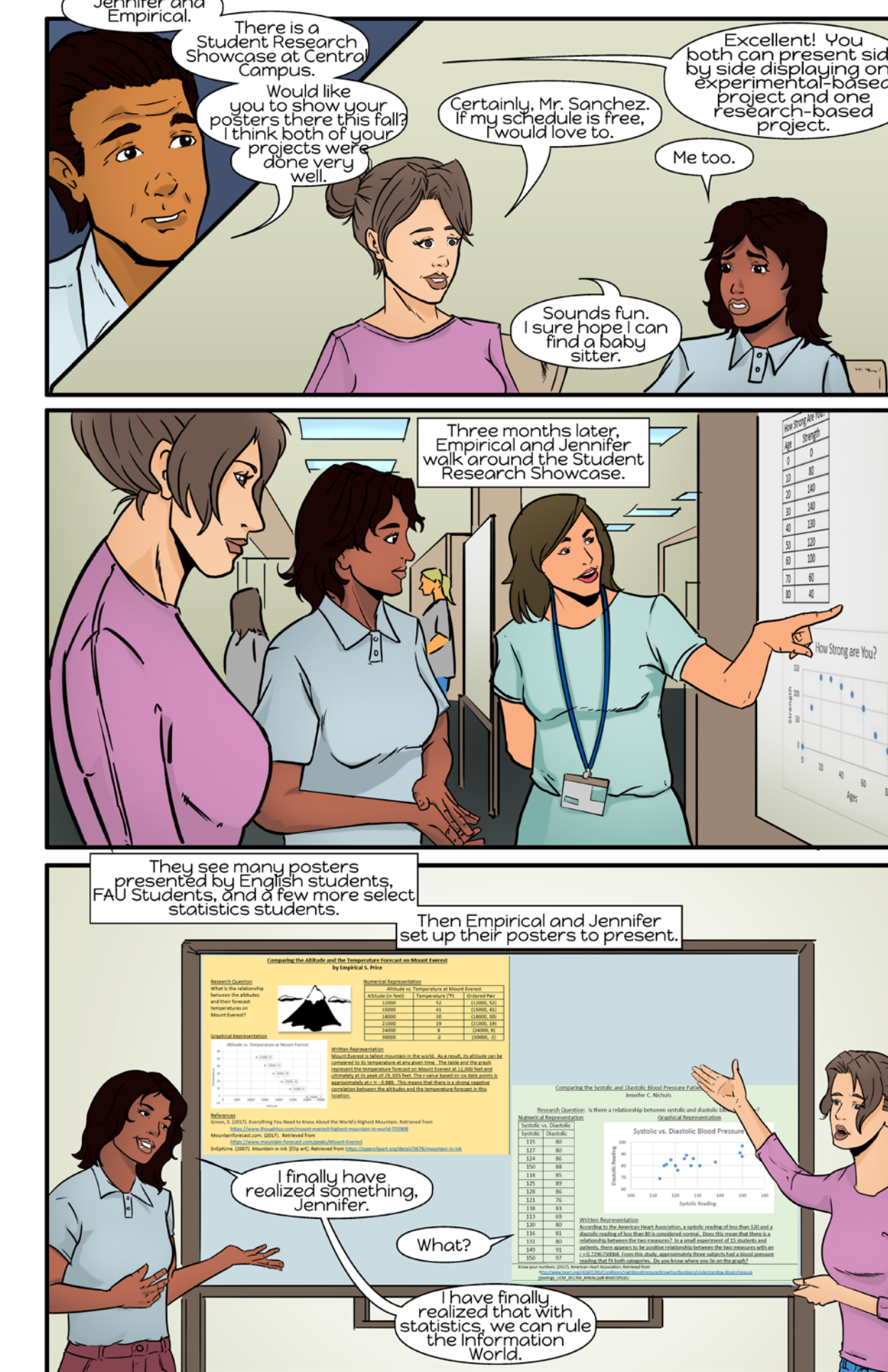
- Refine each student's scope of information literacy
- Improve the student's acquisition of critical reading skills
- Introduce the idea of bivariate data
- Promote collaborative work



Work smarter not harder!



(Fulwood & Lee, 2017)



Outcomes

- Create graphic novel Empirical Rules the World
- Print 100 copies of Empirical Rules the World
- Make two STEM puzzle games
- Develop the STA 1001 library research guide
- Develop and implement pre- and post-assessment tool
- Conduct two information literacy sessions for each STA 1001
- Develop a rubric to assess the students' poster presentations
- Students' poster presentation at the Literary Festival Spring 2018

References

- Brenner, R. (2015). *A guide to using graphic novels with children and teens*. Retrieved from <https://www.scholastic.com/teachers/lesson-plans/teaching-content/guide-using-graphic-novels-children-and-teens>
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