

# STEM Literacy Program

*Round 1 – PreK & Elementary Audience*



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[www.ieee.org](http://www.ieee.org)

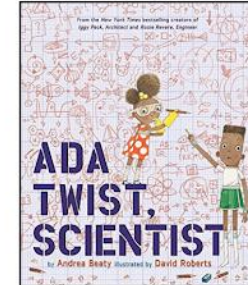
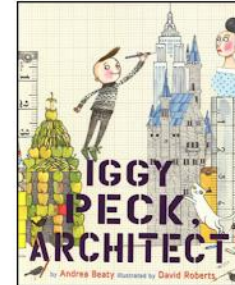
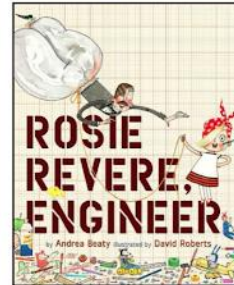
# Why STEM Literacy?

*Educational programs in science, technology, engineering and math (STEM) — when coupled with literacy, reading, and comprehension skills — are critical in inspiring the innovators and inventors of tomorrow. The strongest STEM educational programs interweave literacy-rich materials with hands-on investigation and experimentation.*

# Suggested Reading

## *The Questioners Books by Andrea Beaty*

- ▶ Rosie Revere, Engineer is about pursuing one's passion with persistence and learning to celebrate each failure on the road to achieving one's dreams
  - Books Read Aloud on YouTube:  
<https://www.youtube.com/watch?v=31eBdgnPsCo>
- ▶ Iggy Peck, Architect follows Iggy Peck's challenge to build a bridge to save his teacher and classmates from an abandoned island
  - Books Read Aloud on YouTube:  
<https://www.youtube.com/watch?v=18B8WMJdTCQ>
- ▶ Ada Twist, Scientist champions STEM, girl power and women scientists in a rollicking celebration of curiosity, the power of perseverance, and the importance of asking "Why?"
  - Books Read Aloud on YouTube:  
<https://www.youtube.com/watch?v=5tQcSKH37AY>



# Project

## *Supplying Books to Elementary Schools throughout the Region*

- ▶ To inspire our future engineers, we will provide books and corresponding activities to elementary schools throughout the region
  - Corresponding Questioners themed books & activities:
    - Rosie Revere, Engineer - <http://www.andreabeaty.com/rosie-educational-resources.html> & <https://questioners.com/book/rosie-reveres-big-project-book-for-bold-engineers/>
    - Ada Twist, Scientist - <https://questioners.com/book/ada-twists-big-project-book-for-stellar-scientists>
    - Iggy Peck. Architect - <https://questioners.com/book/iggy-pecks-big-project-book-for-amazing-architects/>
- ▶ Local Elementary Schools
  - Elementary school on your way to work
  - Or an elementary school you interact with everyday
- ▶ Students and members benefit from this collaboration in STEM
  - Students are engaged in STEM and schools, their faculty, administration, and families are connected with their local section of IEEE



# How

## *Bulk Book Store & PACE*

- ▶ Via BulkBookStore.com, books are \$8.74/book, shipped for free, and a section's first order receives an additional \$25 off. Sections would have to buy 25 books to get the discount which brings the total to around \$220 plus tax (not accounting for the \$25 off the first purchase)
- ▶ For our folks in Jamaica, we will have to order on your behalf and have the books shipped to you via a third party vendor
- ▶ Sections will then apply for **PACE** funding to reimburse or offset their expense



# How to Utilize PACE Funding for Your STEM Literacy Project

- ▶ Request funding for professional activities using the PACE Fund Request and Report Form and the Funding Request Process
- ▶ Go to: <https://r3.ieee.org/committees/professional-activities/>
- ▶ Submit your PACE reimbursement request by December 15

## IEEE Region 3 Professional Activities Information

[Request Funding](#) | [Programs](#) | [Showcase](#) | [Contact Us](#)

# Questions & Discussion

