Children's Book Reading Outreach Guide

About the Books

The North American Young Generation in Nuclear (NAYGN) Student Outreach Program developed George's Energy Adventure and Marie's Electric Adventure to introduce elementary-aged students to energy, electricity, and science through engaging stories and memorable characters.

Each book encourages curiosity about how the world is powered while highlighting the importance of innovation, teamwork, and scientific discovery. Through age-appropriate storytelling, students are introduced to different forms of energy, the people behind important scientific breakthroughs, and the many careers that help keep our communities powered.

Both books are designed to spark meaningful conversations about STEM, inspire the next generation of problem-solvers, and show how science and engineering improve everyday life.

Whether read in a classroom, library, community center, or at home, these books provide an enjoyable way to introduce young learners to topics that shape our future.

About this Guide

This guide was created to help NAYGN members confidently deliver engaging book-reading events in their local communities.

Inside, you'll find everything needed to plan and lead a successful outreach event, including:

- Reading tips and presentation guidance
- Discussion questions for students
- Hands-on STEM activities
- Classroom management recommendations
- Connections to science and engineering concepts
- Follow-up resources for teachers, parents, and libraries

Whether you're visiting a kindergarten classroom, reading at a public library, participating in a STEM Night, or supporting a community festival, this guide provides a flexible framework that can be adapted to your audience and available time.

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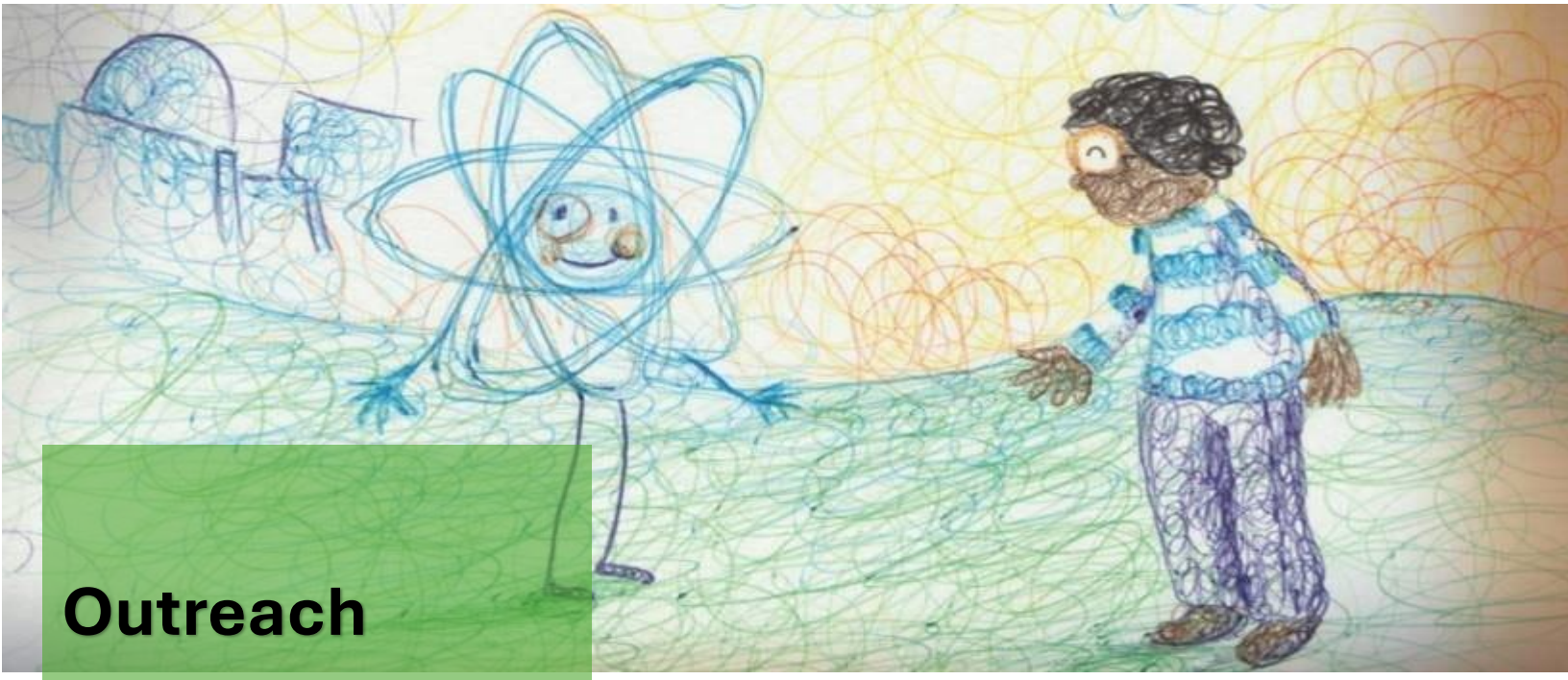

Outreach Opportunities

NAYGN is encouraging all members to read the books to students during the upcoming **Nuclear Science Week**. Use the following tips to arrange book reading sessions:

Before Your Visit

- Contact the teacher or event organizer 2–4 weeks in advance.
- Ask about grade level and classroom size.
- Coordinate the length of your presentation (typically 30–45 minutes).
- Consider reaching out to Elementary schools, Public libraries, STEM Nights, After-school programs, and Community centers

Share Your Impact

- Showcase NAYGN's outreach across North America!
- Take photos of your event (with appropriate permissions).
- Submit photos and success stories to NAYGN Student Outreach.
- Encourage your employer to highlight volunteer efforts.
- Inspire other chapters by sharing lessons learned and activity ideas.
- **Quick Tip:** Photos showing volunteers interacting with students, hands-on activities, and classroom demonstrations often have the greatest impact.

Additional Outreach Opportunities

Looking to reach even more students? Consider:

- Hosting a reading during Nuclear Science Week.
- Donating books to schools or libraries.
- Participating in local STEM festivals.
- Reading during community events or farmers markets.
- Partnering with museums or children's organizations.
- Supporting company volunteer events.
- Organizing a family STEM story time.

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Hands On Activities

Bring the Story to Life

Hands-on activities help students connect the story to real-world concepts while keeping them engaged and excited about learning.
Select one or two activities based on the students' grade level, available time, and classroom setting. Most outreach events work well with a 10–20 minute activity following the story.

Play the Children's Book Videos

Marie and George both have animated and voiced videos that go along with the story telling. Playing the video after the book reading is a great way to bring the story life.

Quick Tip

Younger students enjoy movement and crafts, while older elementary students often prefer engineering challenges and experiments.

Activity Library

Kindergarten – Grade 1

Focus: Discovery, movement, and creativity

- Energy Source Matching Game
- Nuclear Dance
- Color Your Energy Town
- Build a Community with Blocks
- Character Memory Game

Grades 2–3

Focus: Electricity and problem solving

- Power Your Town (LED Circuit)
- Build a Simple Circuit
- Energy Source Sorting Challenge
- Design Your Own Power Plant
- Electrical Grid Puzzle

Grades 4–5

Focus: Engineering and critical thinking

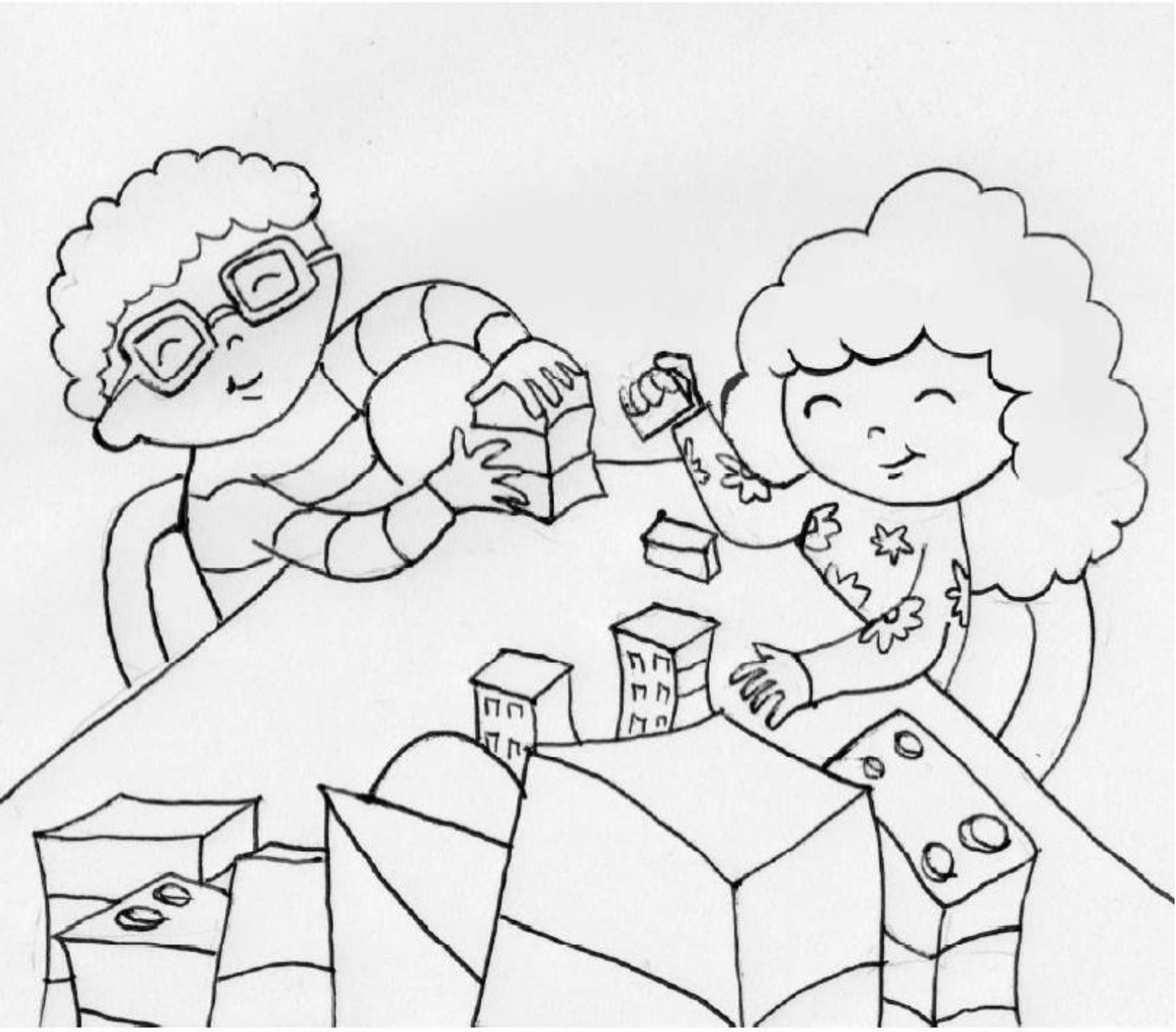
- Build the Strongest Cooling Tower
- Chain Reaction Demonstration
- Clean Energy Challenge
- Design an Energy Portfolio
- STEM Career Challenge

Download Complete Activity Guides

Insert QR Code Here

Coloring Pages

Coloring Pages



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Additional Resources

Before You Read
- Show the cover and ask students what they think the story is about.
- Introduce the main characters and themes.
- Build excitement before opening the book.
- **Quick Tip:** Let students make predictions before revealing the story.

During the Story
- Read slowly and use expression.
- Pause to ask questions and encourage participation.
- Invite students to predict what happens next.

After the Story
Ask a few discussion questions:
- What did you learn?
- What was your favorite part?
- Why is teamwork important?
- How does energy help our communities?

Transition into a hands-on STEM activity when possible.

Tips for Success
- Keep students engaged by asking questions.
- Use simple, age-appropriate explanations.
- Encourage every student to participate.
- Leave time for questions at the end.

Visit the **NAYGN Website** for more information:
- Classroom presentations
- STEM activities
- Discussion guides
- Student contests
- Outreach resources

If you have any questions, please email studentoutreach@naygn.org

Get the books here and here.

Access the videos here.