



ELEMENTARY RACING CHALLENGE

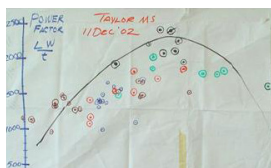
The More You Know, The Faster You Go!



Teamwork • Tool-Use • Technology • Tenacity

Through the excitement of racing, students are introduced to problem solving strategies. They engage in a series of team-oriented challenges, applying science and math concepts and practicing important engineering skills to optimize their performance on track.

- ☑ Science that Drives Speed
- ☑ Technology as a Tool for Problem-Solving
- ☑ Engineering Solutions and Performance
- ☑ Math Modeling for the Win



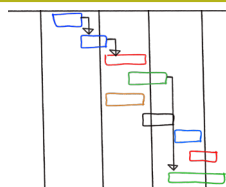
Data-Driven Decisions and Design

Math modeling AND
Creativity



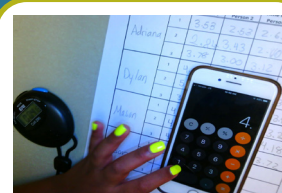
Tool-Use

Choose and use the
right tools to keep
things working



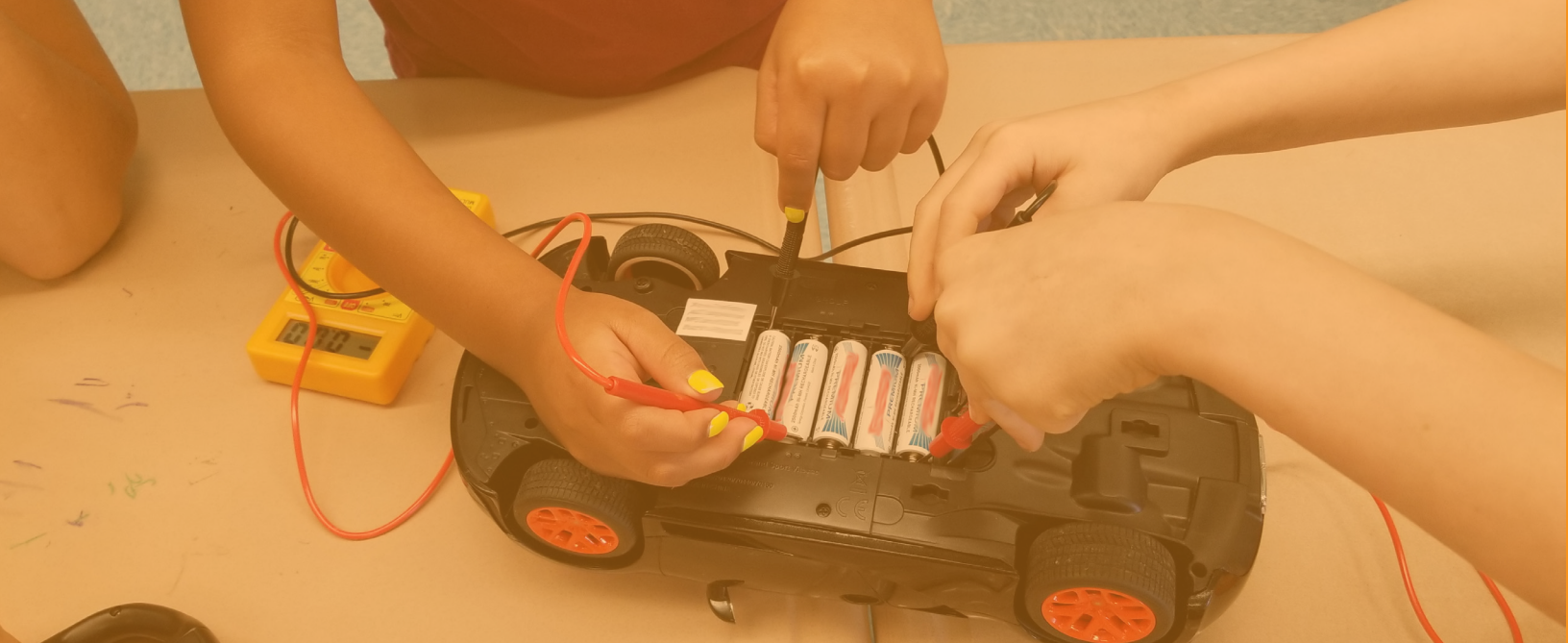
Enterprise

Time Management,
Budgeting, and
Communications



Applied Math, Science, and Engineering

Connect classroom
lessons to real-world
scenarios.



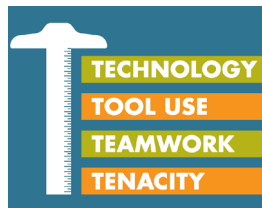
The Technologies

Students in grades 3 - 4 use a 1:16 scale electric RC car that generates reliable data without fine motor control.

Students in grades 5 - 6 use a 1:18 scale RC car with more performance variables to investigate and optimize.

The Pillars

All Ten80 programs are built on the **T-Square** priorities of all students practicing Tool use, Technology skills, Teamwork, and Tenacity, and the **STEM Innovation** framework for students working together to achieve goals.



Some of the Outcomes

- Learn the power of math in tackling challenges and improving scores.
- Experience science principles in action.
- Craft a world of numbers through measurements with meaning.
- Practice teamwork and build tenacity.
- Understand the purpose and how to use common measurement and hand-tools.
- Provide opportunities for community partners to meaningfully engage with students.

Class, Club, Camp Formats

Single class lessons to a 12-week project

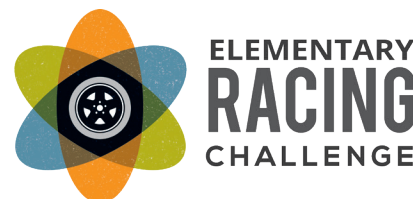
- Hands-on math
- Science lessons and applications
- STEM clubs
- Summer camps
- STEM Festivals and STEM Saturdays

Included:

- ☑ Standards-based activities that fit in a 45-minute period
- ☑ Educator and student curriculum resources
- ☑ Non-consumable technology and tools
- ☑ Training and ongoing support, in-person and web-based

Standards

Aligned to the Common Core State Standards for Mathematics and English Language Arts, Next Generation Science Standards (NGSS), International Technology and Engineering Educators Association (ITEEA) Standards for Technological and Engineering Literacy (STEL)



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