

# B\*E\*S\*T Electric Car Projects

BEST stands for Bridging Engineers, Science and Teaching. BEST is a group of volunteer engineers and teachers who are promoting science, math, and engineering skills for 4<sup>th</sup> thru 6<sup>th</sup> grade students (but they mainly think they're just having fun building things!). This is our fifteenth year of providing this program.

Our goal is to:

- Give students a direct, personal reason to learn engineering & science.
- Stimulate student creativity in inventing creative solutions to problems that have more than one (or no!) "correct" textbook solution.
- Facilitate step-by-step logical ways to approach and solve complex real-world problems in a team setting.
- Guide student use of tools, such as hammers, screwdrivers, wrenches, and various small power tools.
- Direct team-based, friendly, race-day competition activities in which student designed, built, tested, and driven cars will be run.

Our primary activity is supporting groups of students who build their own electric cars, first as individuals or small teams of 2 to 4 students each building toy sized car, and then as a larger single team building a go-cart sized electric car, mostly from scavenged parts.

For more about B\*E\*S\*T, please visit our web site: [www.BestOutreach.org](http://www.BestOutreach.org) or contact us via email ([info@BestOutreach.org](mailto:info@BestOutreach.org)) or telephone (Paul Patton - 763-954-4764).

Mark your calendars: Race Day is May 19<sup>th</sup>, 2012 9:00 to 1:00. Plan to join us for a morning of fun!



*Sign & Return this Parental Permission Slip*

*I understand that building an electric car involves using tools, handling unfinished wood and metal parts, assembling car parts, and driving a car that can move as fast as a bicycle. I acknowledge that people involved in these activities may incur accidental injuries such as splinters and slivers, scrapes, bumps, cuts, abrasions, and pinched fingers. Adequate and appropriate adult supervision will be provided during B\*E\*S\*T student activities, safety will be emphasized, protective eyewear will be used appropriately, tools will be in good condition with working safety mechanisms, and helmets will be required while operating the car, however accidental injury may occur.*

\_\_\_\_\_ has my permission to participate in B\*E\*S\*T activities.  
student name

Parent/Guardian Signature: \_\_\_\_\_ Date: \_\_\_\_\_