

# DRIVING STEM 3<sup>RD</sup> TO 6<sup>TH</sup> GRADE

Students in Grades 3-6 are introduced to math modeling through the excitement of racing. Small radio controlled cars engage kids while building deeper understanding of STEM and teamwork. Support core curriculum requirements for inquiry-based math modeling on a small scale classroom race track.

Elementary students are motivated by the tools and by rising scores. Use radio controlled race cars to focus their attention on objectives in your curriculum: boost addition, subtraction, multiplication, division, data collection, graphing, problem solving, decimals, fractions, time, measurement, estimation and more! Pre and Post Assessments are included, and performance standards are embedded in each challenge as students use an accurate math model to predict performance of the real RC car. Driving STEM meets state and national requirements for physical science as well as supplementary project-based learning and math modeling options for math classes.

Combine Driving STEM with MindBugs in Measurement<sup>®</sup> and Scaleville<sup>®</sup> for a comprehensive supplementary package that meets the needs of all learners.

UNIT	AGE APPROPRIATE PROJECT-BASED LEARNING
<p><b>DRIVING STEM CURRICULUM</b></p>	<ol style="list-style-type: none"> <li>1. Teacher's Guide Assessments, Introductions, Challenge Pages, Suggested Project Rubrics, Handouts, and Reading Across the Curriculum Opportunities</li> <li>2. Student Challenge Guide</li> <li>3. Additional Lesson Download Site</li> <li>4. Web-based Video Introductions</li> <li>5. Student Logbooks with Sticker Inserts</li> </ol>
<p><b>NON-CONSUMABLES KIT</b></p>	<p><b>6</b> Team Stations Each Team Station includes the following materials:</p> <ul style="list-style-type: none"> <li>• 1:18 Scale Radio Controlled Vehicle</li> <li>• Controllers</li> <li>• Rechargeable Battery Stations</li> <li>• 8 Rechargeable Batteries</li> <li>• Stopwatch</li> <li>• Digital Scale</li> <li>• Spring Scale</li> <li>• Tape Measure</li> <li>• Team Logbook</li> </ul>
<p><b>GRADE LEVEL OPTIONS</b></p>	<p>3rd Grade, 4th Grade, 5th Grade, 6th Grade</p>
<p><b>COST</b></p>	<p>\$2497    M2G-21-3    M2G-21-4    M2G-21-5    M2G-21-6 \$129        M2G-02</p>



4-Station Kit Shown  
Printing and Binding Options Vary

# DRIVING STEM CAMPS, CLUBS AND AFTER SCHOOL PROGRAMS

UNIT	AGE APPROPRIATE PROJECT-BASED LEARNING
<b>DRIVING STEM CURRICULUM</b>	<ol style="list-style-type: none"> <li>1. Teacher's Camp Guide: Assessments, Introductions, Challenge Pages, Suggested Project Rubrics, Handouts, and Reading Across the Curriculum Opportunities</li> <li>2. Scope and Sequence Options for 1 Week, 6 Week, 10 Week, 20 Week Programs</li> <li>3. Additional Lesson Download Site</li> <li>4. Web-based Video Introductions</li> <li>5. Student Logbooks with Sticker Inserts</li> </ol>
<b>NON-CON-SUMABLES KIT</b>	<p>6 Team Stations</p> <p>Each Team Station includes the following materials:</p> <ul style="list-style-type: none"> <li>• 1:18 Scale Radio Controlled Vehicle</li> <li>• Controllers</li> <li>• Rechargeable Battery Stations</li> <li>• 8 Rechargeable Batteries</li> <li>• Stopwatch</li> <li>• Digital Scale</li> <li>• Spring Scale</li> <li>• Tape Measure</li> <li>• Team Logbook</li> </ul>
<b>GRADE LEVEL OPTIONS</b>	3rd Grade, 4th Grade, 5th Grade, 6th Grade
<b>SUMMER CAMP OPTION</b>	<p>Year 1: Choose M2G-21 to receive the base camp kit &amp; license. Plan for teams of 4 per car.</p> <p>Years 2+: camp license, updated curriculum, welcome pack</p> <p>M2G-22 \$25 per student</p>

Students learn to play the STEM game in a fun and motivating way. If you want to play professional sports, you start young and play hard. Shouldn't that also be true for budding scientists, mathematicians and engineers? Driving STEM Challenges are inquiry-based STEM activities that grow in complexity from basic teacher-led activities to student-initiated and student-led investigations.

Students use radio-controlled vehicles to motivate and energize the classroom experience. Project-based challenges reinforce STEM concepts and skills from elementary computation through calculus and physics. Engage students in STEM modules formatted for intercessions, after school programs, and summer camps.

Run your summer camp, and then use the kit for daily classroom lessons through the school year! Each year, renew your camp license to receive current web resources, print materials, training, student logbooks, and additional projects.