

<b>Project Title:</b>	<b>Mini Baja Car Braking, Suspension, and Steering</b>
<b>Client:</b>	ONU Engineering Department
<b>School Year:</b>	2002-2003
<b>Students:</b>	Bruce Nevills
<b>Summary:</b>	<p>Much work and effort was put into this project and as a team it was completed. We designed and constructed a Mini-Baja car. The members of the team were divided into three groups to help organize the load of work done by each individual. The groups were Charles Ogborn and Lauren Gidcumb, Joel Tyron and I, and Joel Mingus. Charles and Lauren are in charge of frame and safety, Joel Tyron and I are in charge of braking, suspension, and steering, and Joel Mingus is in charge of drivetrain and team management. All team members helped each other when needed especially in the construction phase of the project.</p> <p>For braking, suspension, and steering designs, our goals were met. The main goals were to design and construct all three systems. We planned on using modified parts from a 4-wheeler for each system. Some ideas had to be modified but overall our designs worked as planned. In the construction phase of our project, some systems could not be completed until others were finished. This delayed the advancement of the project but eventually this obstacle was overcome. An example would be the frame that took considerably more time than expected to complete. Once the construction of the project began, the team progressed quickly.</p> <p>The result of our work is a Mini-Baja car that can compete in competition with other colleges. The car operates efficiently and is safe for the driver. All our goals are met and our designs are accomplished. Only as a team, was this project able to succeed.</p>

