College of Engineering
Matching Funds for Student Projects
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Objectives
Provide an opportunity for students to:
• Increase technical knowledge and apply engineering skills
• Develop leadership and team skills
• Work on interdisciplinary teams
• Increase public awareness of the College and its programs

The Project Handbook, available from Ed McCaul, has all of the details from this presentation and is the official policy.

Description
To be considered a college team and be eligible for matching funds a team must:
• Be multidisciplinary with a unique set of student members
  – No splitting your team to get more $
  – One eligible project per team
  – The team may be formed out of an existing student organization but see the handbook for details
• Design or construct an object
• Have an advisor in the College of Engineering.

Requirements
• Multidisciplinary – in the broadest sense. Multiple engineering disciplines or cross-college
• Disclosure and Release of Claims Form – all team members must sign and advisor must acknowledge receipt of these forms.
• Reporting – you must submit information on the results of your project to Ed McCaul at the end of the year.
Matching Funds

• The college provides matching to help your fund raising dollars go farther
• Ed has developed a formula for eligibility:
  – Each team new to the process starts at rank 1 and has the potential to reach rank 6.
  – The total allotments will be the sum of all the ranks and you get the number of allotments equal to your rank.

Matching Funds

– To increase your rank you must raise eligible donations greater than the amount of matching funds you received the previous year.
– Ranks go up and down 1 step at a time except:
  • If you fail to submit reports of your results to Ed at the end of the year, you lose one rank regardless of your fundraising.

Ranking Sheet Example

<table>
<thead>
<tr>
<th>Project Name</th>
<th>08-09 Rank</th>
<th>09-10 Rank</th>
<th>10-11 Rank</th>
<th>Multi Disc</th>
<th>Roster</th>
<th>Form</th>
<th>Guarantee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aerial Robotics</td>
<td>6</td>
<td>5</td>
<td>4</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>$2,420</td>
</tr>
<tr>
<td>Bug SAE</td>
<td>5</td>
<td>6</td>
<td>6</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>$3,830</td>
</tr>
<tr>
<td>Big Team</td>
<td>3</td>
<td>2</td>
<td>1</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>$500</td>
</tr>
<tr>
<td>Innovation</td>
<td>5</td>
<td>4</td>
<td>3</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>$1,810</td>
</tr>
<tr>
<td>Rocket</td>
<td>5</td>
<td>6</td>
<td>6</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>$3,830</td>
</tr>
<tr>
<td>ChemE Car</td>
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<td>2</td>
<td>3</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>$1,810</td>
</tr>
<tr>
<td>Concrete Canoe</td>
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<td>4</td>
<td>4</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>$2,420</td>
</tr>
<tr>
<td>Design, Build, Pr</td>
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<td>Y</td>
<td>$500</td>
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<tr>
<td>Eco Car</td>
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<td>4</td>
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<td>Y</td>
<td>$2,420</td>
</tr>
<tr>
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<td>Y</td>
<td>$500</td>
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<tr>
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<td>3</td>
<td>2</td>
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<td>Y</td>
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</tr>
<tr>
<td>FIRST</td>
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<td>$3,830</td>
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<td>6</td>
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<td>Y</td>
<td>Y</td>
<td>$3,830</td>
</tr>
<tr>
<td>Moonbuggy</td>
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<td>2</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>$1,210</td>
</tr>
<tr>
<td>Scale Tractor</td>
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<td>6</td>
<td>6</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>$3,830</td>
</tr>
<tr>
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<td>Y</td>
<td>Y</td>
<td>$1,810</td>
</tr>
<tr>
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<td>Y</td>
<td>Y</td>
<td>$600</td>
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<tr>
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<td>1</td>
<td>Y</td>
<td>Y</td>
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<td>$600</td>
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<td>Underwater Robotics</td>
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<td>Y</td>
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<td>Y</td>
<td>$600</td>
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<td>66</td>
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</table>

Eligible Donations

• Cash donations processed through a College of Engineering account.
• No in-kind donations such as parts or supplies
• No prize money or funds distributed to all teams in a competition by the sponsor.
• Donations designated for support of certain teams but not generally available to all teams will not be eligible.
• Proof of donation is to be submitted to Ed McCaul
  – Cancelled Checks or University Statements
Amounts

- We have requested and received $60,000 from the Dean of Engineering for this process this year.
- We received $20,000 from the Honda Partnership this year available to teams who exceed their fundraising goal.
- We plan to set your fundraising targets such that we are matching 2 for 1. $2 from COE for every $1 you raise up to a team’s allocation.
- Unclaimed funds and Honda $ are redistributed at the end of the year to those who exceeded their goal and submitted reports.

Deadlines

- Organizations already on the list will be notified each year of their target
  - Must submit roster and advisor acknowledgment of release forms annually
  - Matching funds are disbursed as soon as fundraising documentation is received
- NEW organizations must meet with Ed and notify him of their intent to apply by
  
  **November 1 November 21**
  
  **This year only**

Reporting

- Team Photo
- A few sentences on activities and results
- Examples follow:

Chem-E Car

The Chem-E Car team placed fourth in the Northeast Regional Tournament in Houghton, Michigan. This qualifies the team to compete against the nation’s best universities in October’s Annual National AIChE Conference in Minneapolis, Minnesota. The car is powered by a Zinc Chloride battery and stopped by reaction between Sulfuric Acid and Tums ®.
Concrete Canoe

The theme for the 2011 Concrete Canoe was "Matta Armada," named for varsity basketball head coach Thad Matta.

EcoCAR

Won 2nd place overall in their competition this year as well as the Best Controls Presentation Award, Bosch Diversity Award, Best Collaboration with Clean Cities Award, Freescale Innovation Award, Best Social Media Outreach Award, 2nd place in the Overall Outreach ... Award. Co-Advisor Dr. Shawn Midlam-Mohler won the NSF Outstanding Incoming Faculty Advisor Award and Katherine Bovee won the Outstanding Women in Engineering Award.

Environmental Design

10 teams representing universities from Ohio, Kentucky and Pennsylvania competed in the 2011 OSVC Environmental Design Competition. Overall, Ohio State placed 2nd, scoring 63/100 points. The overall winner (University of Akron) won with only one more additional point finishing at 64/100.

Quarter Scale Tractor

At the national competition in Peoria, IL the team won: 14th Overall A-team, 2nd Place A-team Maneuverability, 11th Place A-team Written Design Report, 1st Place X-team Written Design Report, 1st Place X-team Presentation.
In September the 2011 Solar Decathlon Team held a kick-off event to celebrate the opening of the 2009 OSU Solar Decathlon house at the Columbus Zoo and Aquarium. Throughout winter the team has been building the house and installing mechanical systems. The house will be shipped on September 13th to West Potomac Park on the National Mall in Washington DC for the 2011 Solar Decathlon Competition.