

Challenge X 2006 Outreach Program Report # 3

***Instructions:** Please use this template to provide your team's outreach program update since your last outreach report. Teams do not have to use the exact format shown below but should include all of the components of the template.*

*Report #2 is due December 1, 2006. Report #3 is due March 29, 2006. Each of these reports must be posted to your team website by the due date. **Please post these reports as a PDF or Word document on your website.** (Note: DO NOT use this template for your final comprehensive report. That report should follow the format described in the Challenge X 2005-06 Outreach Program Reporting Procedures, and is due June 2, 2006 – at competition.)*

Team: University of Tulsa

Name of Outreach Coordinator: Melissa Young

Dedicated Outreach Coordinator (Y/N): Y

If no, please list other role the O.C. has on your team:

Date posted: 3/28/06

Participating in the following special Outreach Award(s): Outstanding Overall Outreach; K-12 Educational Outreach; Best Media Relations; Best Community Outreach, Best Website

I. Outreach Plan

- *Please report on any changes or updates your team has made to your Outreach Plan.*
- *If none, please write "No changes." No changes*

II. Outreach Activity Summary

Please fill in the following chart to summarize your team's outreach activities since your last outreach report. Please be brief; you will provide detail for each activity in the next section. Do not list future or planned activities in this table – only activities completed since your last report. Feel free to add or delete rows as necessary.

| Category <i>(Choose from Media Event, K-12 Outreach, Community Event, or Website Development)</i> | Activity <i>(List the name of your outreach activity.)</i> | Event Date/Time | Location | Participants and Audience <i>(Briefly describe which team members participated, and who was in the audience.)</i> |
|---|---|---|--|---|
| Community Event | Alpha Delta Pi Alumna Association Christmas Party | December 18, 2005 2:00-5:00 PM | Karen Campbell's home | Advisor Christi Patton gave a 15 minute presentation on Challenge X to sorority alums and their spouses |
| K-12 Outreach | Jenks Christian Academy All Classes (4 year old – 12 th Grade) | January 5, 2006 8:15 AM – 2:00 PM | JCA Campus | Advisor Christi Patton, Dorian Marx, Brian Young presented automotive activities to each grade (275 students) |
| Community Event | American Association of University Women January Meeting (Tulsa Chapter) | January 14, 2006 12:30- 2:30 PM | Tulsa County Library | Advisor Christi Patton presented the Challenge X project to 28 professionals from the Tulsa area |
| K-12 Outreach | Brownie Day | February 11, 2006 10:00 AM- 2:00 PM | TU Campus | Michael Kennedy, Dorian Marx, Kyle Magrini, Tom Stoltz, Ryan Guldán, Clara Seaman, Melissa Young presented six 30-minute presentations to 140 2 nd and 3 rd grade girls |
| K-12 Outreach | SWE Retreat | February 17 th -18 th | TU Campus | Michelle Van Schoyck, Ryan Guldán, Dorian Marx and Andrew Harmon presented a 90-minute presentation to 15 high school girls and gave the girls a tour of HMW |
| k-12 Outreach | e-Week Open House | February 22, 2006 9:00 AM – 5:00 PM | TU Campus | Michelle Van Schoyck, Dorian Marx, Brian Walsh oversaw walk-up activities for children of all ages and their parents (Estimated attendance 240) |
| K-12 Outreach | SWE Girl Scout Badge Day | February 25, 2006 8:00 AM-3:00 PM | TU Campus | Ryan Guldán, Chris Flory, Taylor Coleman presented to 9 high school girls |
| Community Event | OSPE Meeting | March 2, 2006 12:00 PM | ONEOK auditorium | Josh Buck, Ryan Guldán and Dr. Bob Strattan presented Challenge X to 20 professional engineers |
| K-12 Outreach | Girl Scout Troop 440 Meeting | March 2, 2006 4:00 -6:00 PM | TU Campus | Advisor Christi Patton and Melissa Young gave a tour of HMW to approximately 10 5 th grade girls |
| K-12 Outreach | Cub Scout Pack Meeting | March 13, 2006 7:00 – 8:00 PM | JSE Elementary School | Melissa Young and Advisor Christi Patton presented to 60 boys between ages 5 and 10 and their families |
| K-12 Outreach | Tulsa Engineering Challenge | March 16, 2006 8:00 AM- 2:00 PM | Tulsa Technology Center, Jones Airport | Spencer Flournoy, Olaf Jarochowski, Advisors Christi Patton and Bob Strattan showed off TU's HEV car projects and Challenge X for approximately 450 6 th -12 th grade students and their teachers |

III. Outreach Activity Detail

A. Media Events

Please provide a written description with additional details for each media event listed in Section II. Please number your events below.

1. Event name: none during this reporting period
Date/Time:
Location:
Participants:
Audience (include names and outlets of any media that attended):
Event description/details:
Key Messages Covered:
Any measurable results:
Photos:

B. K-12 Outreach

Please provide a written description with additional details for each K-12 Outreach activity listed in Section II. Please number your events below.

Note on photographic documentation: *Our legal department has advised us not to post pictures of children without parental permission. Fortunately, we do obtain this permission at most Scout events, but we are not able to obtain permission at our school events.*

1. K-12 Activity name: Presentations at Jenks Christian Academy
Date/Time: Thursday, January 5th 8:15 AM - 2:00 PM
Location: Jenks Christian Academy Cafeteria
Team participants: Dr. Christi Patton, Dorian Marx, Brian Young
Audience: 4 year olds – 12th grade (total 275 students)
Activity description/details: presentations and hands-on demonstrations on energy, motion, and future automatic technologies
Key Messages Covered: energy technologies for reducing fuel use and emissions
Any measurable results:
Photos: None- our legal department has advised us not to post any pictures of children without parental permission

2. K-12 Activity name: Brownie Day
Date/Time: Saturday, February 11th 10:00 AM- 2:00 PM
Location: University of Tulsa
Team participants: Dr. Christi Patton, Clara Seaman, Michael Kennedy, Dorian Marx, Kyle Magrini, Tom Stoltz, Ryan Guldán, Melissa Young
Audience: Approximately 200 2nd and 3rd grade girls
Activity description/details: presentation and hands-on demonstrations on energy, motion, and future automatic technologies
Key Messages Covered: energy technologies for reducing fuel use and emissions
Any measurable results:
Photos:



Ryan Guldán sets up for Brownie Day.



The girls discover new automotive propulsion systems at TU's Brownie Day.

3. K-12 Activity name: Society of Women Engineers' Retreat
Date/Time: Friday, February 17th – Saturday, February 18th
Location: University of Tulsa North Campus Model Lab
Team participants: Michelle Van Schoyck, Ryan Guldán, Dorian Marx, Andrew Harmon
Audience: 15 High School Junior and Senior girls
Activity description/details: Present the CX project and automobile, hand-on demonstrations about energy and alternative fuels
Key Messages Covered: Energy technologies for reducing fuel use and emissions
Any measurable results:
Photos:



Girls look at the stripped-down Equinox.



Team member Andrew Harmon demonstrates the diesel and electric motors.

4. K-12 Activity name: e-Week Open House
Date/Time: University of Tulsa
Team participants: Michelle Van Schoyck, Dorian Marx, Brian Walsh, Dr. Christi Patton
Audience:
Activity description/details: walk-up activities regarding Challenge-X, alternative fuels, motion, energy, and energy reduction
Key Messages Covered: Energy technologies for reducing fuel use and emissions
Any measurable results:
Photos: None- our legal department has advised us not to post any pictures of children without parental permission

5. K-12 Activity name: Society of Women Engineers Badge Day
Date/Time: Saturday, February 25th 10:00 AM – 3:00 PM
Location: University of Tulsa
Team participants: Ryan Guldán, Taylor Coleman, Dr. Christi Patton
Audience: 12 High School girls between the ages of 15 and 16
Activity description/details: taught basic car maintenance and function, presentation of alternative fuels
Key Messages Covered: Energy technologies for reducing fuel use and emissions
Any measurable results:
Photos:



Team member Taylor Coleman discusses the Challenge X propulsion system to the Girl Scouts.



Taylor Coleman and Ryan Guldán demonstrate how the “insides” of the car work.



The girls learned to check the fluids in a car.



They learned how to change a tire.



And they learned to change the oil in a car.

6. K-12 Activity name: Girl Scout Troop 440
Date/Time: Thursday, March 2nd 4:00 – 6:00 PM
Location:
Team participants: Melissa Young and Dr. Christi Patton
Audience: Approximately 10 5th grade girls
Activity description/details: presentation and hands-on demonstrations on energy, motion, and future automatic technologies
Key Messages Covered: Energy technologies for reducing fuel use and emissions
Any measurable results:
Photos: None- our legal department has advised us not to post any pictures of children without parental permission

7. K-12 Activity name: Cub Scout Pack 385 Meeting
Date/Time: Monday, March 13th 7:00 – 8:00 PM
Location: Jenks Southeast Elementary School
Team participants: Melissa Young, Dr. Christi Patton
Audience: approximately 60 boys and their families
Activity description/details: presentation and hands-on demonstrations on energy, motion, and future automatic technologies
Key Messages Covered Energy technologies for reducing fuel use and emissions
Any measurable results:
Photos:



Dr. Christi Patton talks to Cub Scout Pack 385 about current and future automotive propulsion systems.

8. K-12 Activity name: Tulsa Engineering Challenge
Date/Time: Thursday March 16th
Location: Tulsa Technology Center, Jones Airport
Team participants: Dr. Christi Patton, Dr. Bob Strattan, Spencer Flournoy, Olaf Jaroachowski
Audience: approximately 450 6th – 12th grade students from Tulsa area schools
Activity description/details: presentation and hands-on demonstrations on energy, motion, and future automatic technologies
Key Messages Covered: Energy technologies for reducing fuel use and emissions
Any measurable results:
Photos: None- our legal department has advised us not to post any pictures of children without parental permission

C. Community Outreach

Please provide a written description with additional details for each community event listed in Section II. Please also include at least one photo from each activity. Please number your activities below.

1. Community Event name: Alpha Delta Pi Auction
Date/Time: Sunday, December 18th, 2005 2:00 -5:00 PM
Location: Karen Campbell's home (Tulsa, OK)
Team participants: Dr. Christi Patton
Audience: Alpha Delta Pi alumni and spouses from the Tulsa area
Activity description/details: Presentation on Challenge X project at The University of Tulsa
Key Messages Covered: Energy technologies for reducing fuel use and emissions
Any measurable results:
Photos: None taken

2. Community Event name: American Association of University Women (Tulsa Chapter)
Date/Time: Saturday, January 15th 12:30 – 2:30 PM
Location: Tulsa County Library
Team participants: Dr. Christi Patton
Audience: 28 professional women from the Tulsa area
Activity description/details: Presentation on energy, motion, and future automatic technologies
Key Messages Covered: Energy technologies for reducing fuel use and emissions
Any measurable results:
Photos: None taken

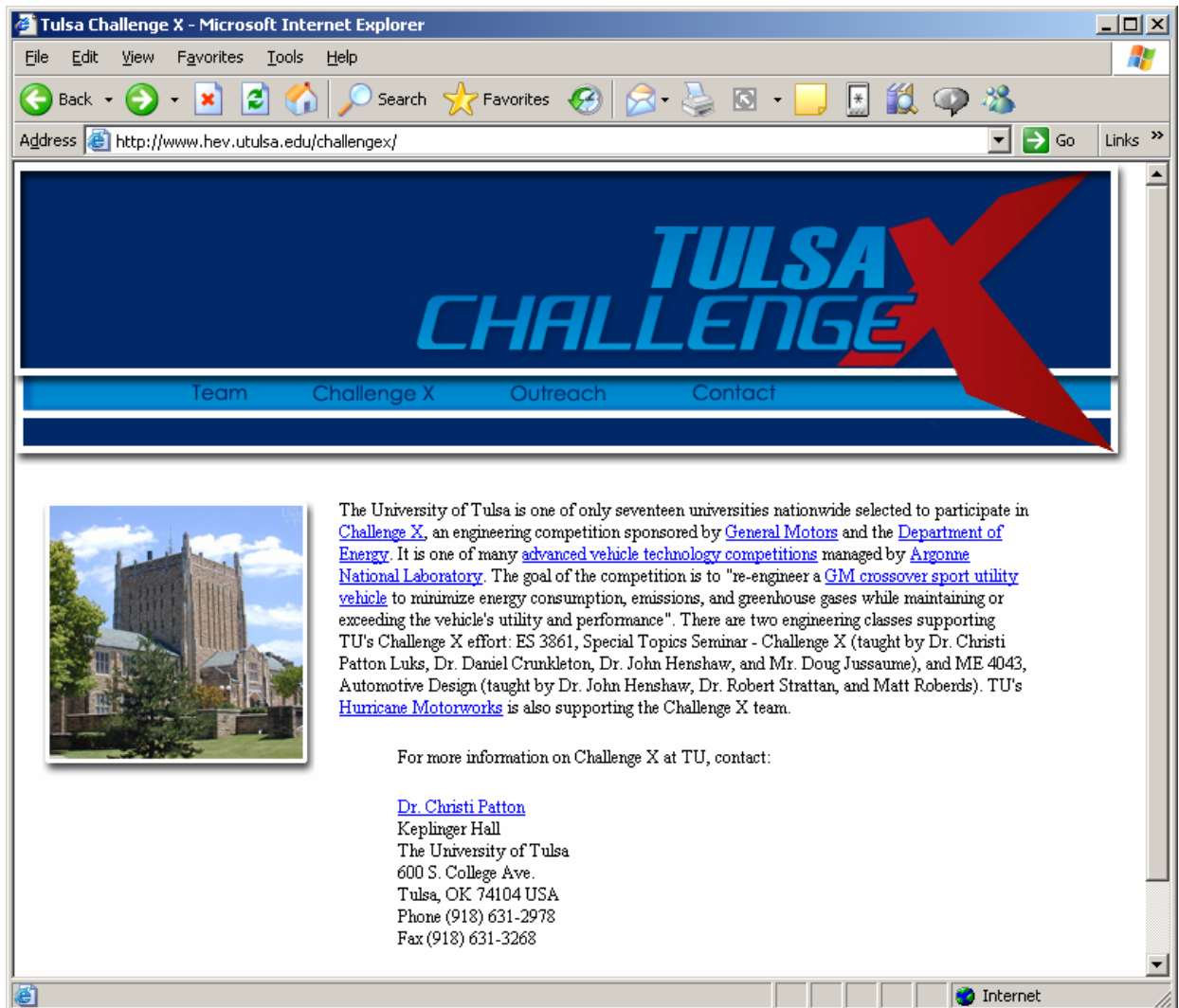
3. Community Event name: OSPE Meeting
Date/Time: Thursday, March 2nd 12:00 – 1:00 PM
Location: ONEOK Auditorium
Team participants: Joshua Buck, Ryan Guldán and Dr. Bob Strattan
Audience: 20 professional engineers
Activity description/details: Presentation on Challenge X project at The University of Tulsa
Key Messages Covered: Energy technologies for reducing fuel use and emissions
Any measurable results:
Photos: None taken

D. Website

Please list any updates or modifications to your team's website, including:

- new additions in functionality
- new look/design
- special features
- Please include at least one screen grab of your team website below

We have cleaned up and reorganized the website somewhat. We also added a video of our shop to the website.



E. Other

Please provide any other information on your team's outreach program developments not covered above.

IV. Media Coverage

*Please fill in the chart below to track any media coverage your team has received since your last outreach report. This can be coverage resulting from a media event your team organized, or coverage garnered through interviews, press releases you've distributed, etc. **Please append copies of any print news clips, or any TV or radio transcripts you may have, at the end of this report.** Feel free to add or delete rows as necessary. If you need help identifying some of the missing information, please contact Strat@comm for media coverage assistance.*

None during this reporting period

| Outlet Name | Reporter | Date of Coverage | Clip attached (yes/no) | If coverage resulted from an Outreach activity YOU ORGANIZED, list event | If coverage resulted from an activity you PARTICIPATED IN, list event |
|--------------------|-----------------|-------------------------|-------------------------------|---|--|
| n/a | | | | | |
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Reported by: Melissa Young
Date: March 28, 2006