


2010-2011 School Year Summary

Bringing the excitement of STEM to students

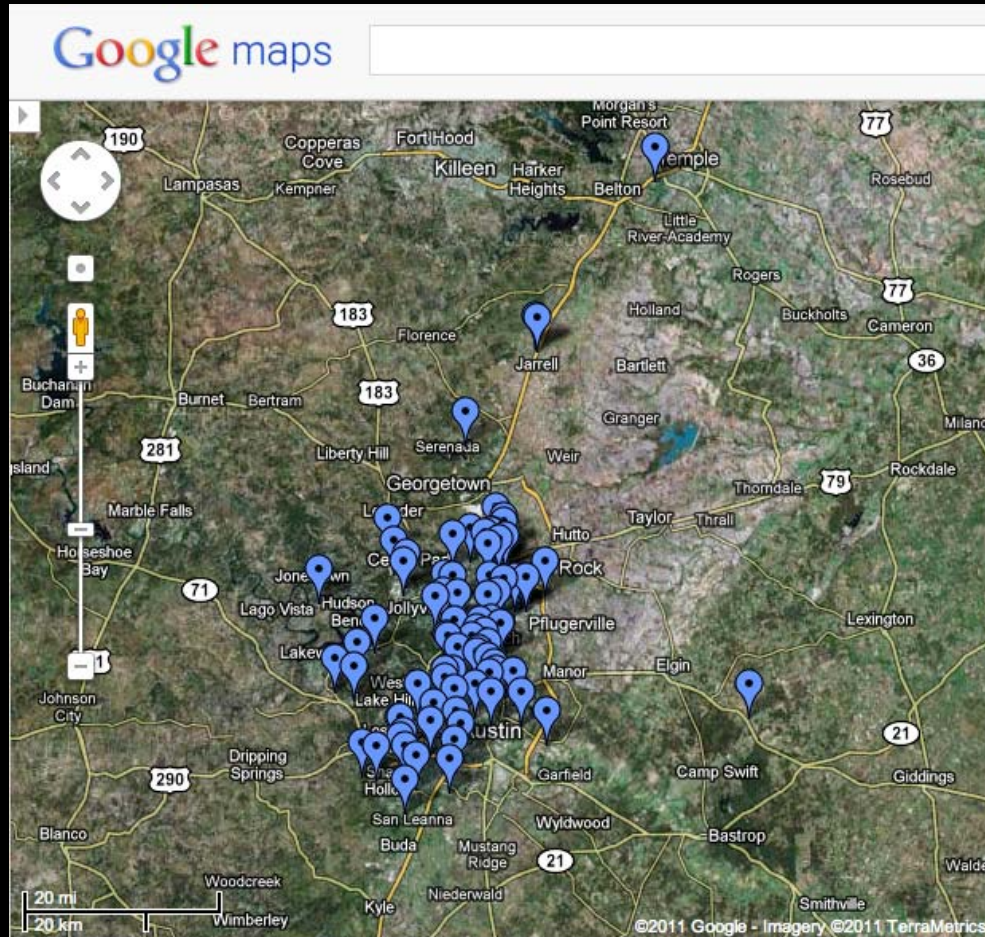


CENTRAL TEXAS
DISCOVER
ENGINEERING

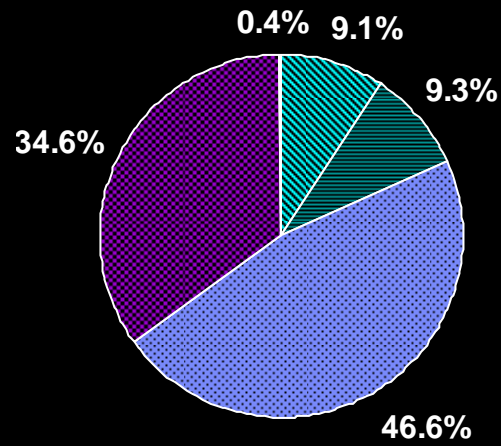
Overall summary

Student contacts		19,343
School Visits	15,048	
Other venues	4,295	
Schools		106
Elementary	71	
Middle	16	
High	13	
Combined	6	
School districts		14
Volunteers		438
Firms participating		65
Professional societies participating		40

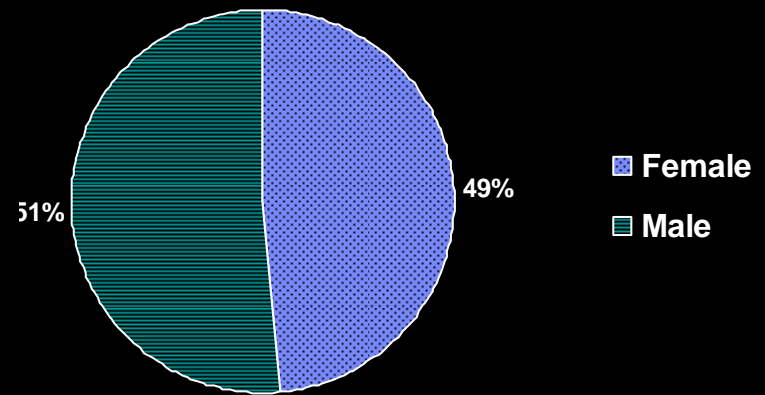
The schools we visited



Student ethnicity and gender

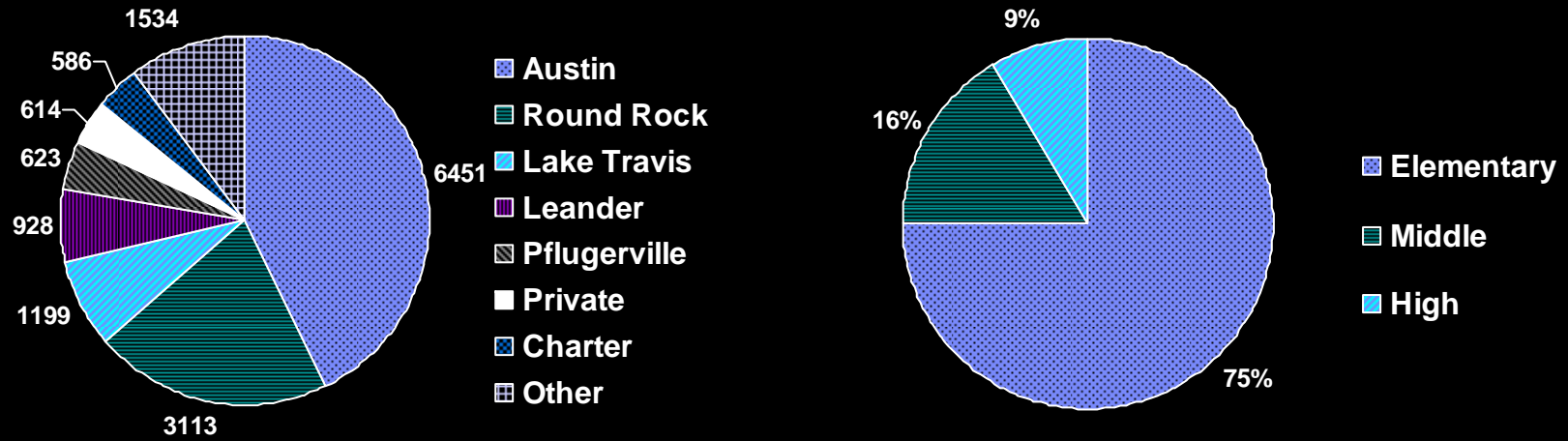


- African American
- Asian Indian
- Caucasian
- Hispanic
- Native American



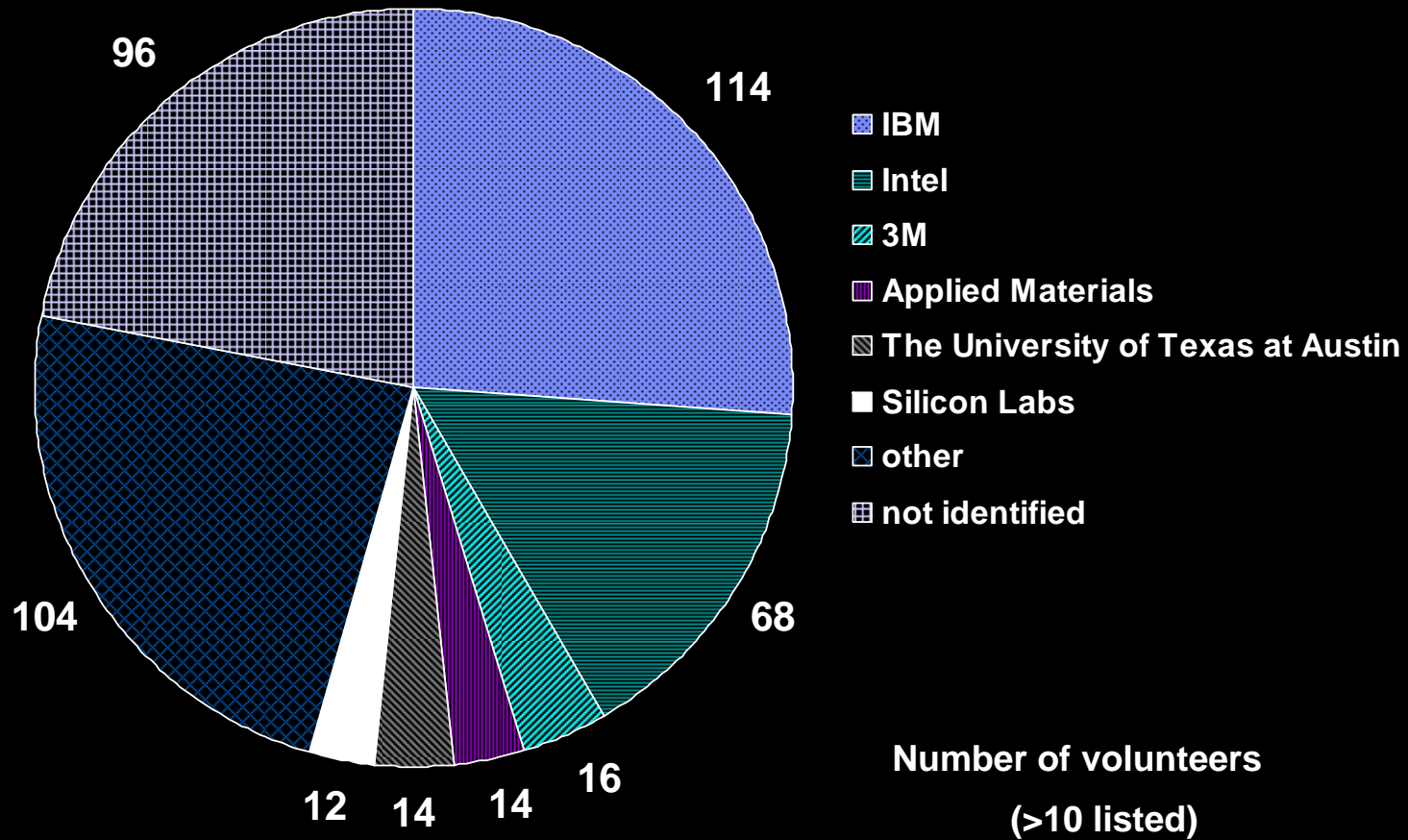
- Female
- Male

School districts and schools



Number of students

Volunteers



School districts

 **Austin**

 **Lake Travis**

 **Del Valle**

 **Leander**

 **Eanes**

 **Manor**

 **Elgin**

 **McDade**

 **Georgetown**

 **Pflugerville**

 **Jarrell**

 **Round Rock**

 **Lago Vista**

 **Temple**

plus charter and private schools

Firms participating

3M	Coherent Logix	Jacobs Engineering Group, Inc.	Smith Structural
AECOM	CP&Y	Jose I Guerra, Inc.	Spancion LLC
Applied Materials	Crespo Consulting	K Friese and Associates	St. Francis School
Arrowwood Consulting	Dell Inc	Kemet Components	Stansberry Engineering Co., Inc.
at&t Labs	DEW Consulting	LadderBlock	Synopsis
Austin Community College	DMX, Inc.	M3 Design	Texas Board of Professional Engineers
Austin ISD-Covington Middle School	Federal Highway Administration	Manpower NA	Texas Comm. on Environmental Quality
Binkley & Barfield	Freescale Semiconductor	MWM DesignGroup	Texas Water Development Board
CAS	Freese and Nichols	PBS&J	The University of Texas at Austin
Cement Council of Texas	Gemba Guide	Pexus	Tom Groll Engineering
Centaur Technology	GL Garrad Hassan, Inc	Providence Environmental Consulting Inc	TRI/Environmental, Inc.
CH2M HILL	Google	Savvy Computer Forensic Investigations	Trimeric Corporation
Chemical Logic Inc	H.R. Gray	Science Expeditionary Force	TWDB
City of Austin	Halcrow, Inc	SH130CC	URS
City of Killeen	HVJ Associates, Inc.	Silicon Labs	Westlake High School
CJG Engineers	IBM	SimJon	YPT Austin
	Intel		

Societies and non-profits participating

ACM

ACM SIGSFT

AEG

Agile Austin

AIChE

AIHA

APWA

ASCE

ASEE

ASME

ASSE

AWEA

AWMA

AWWA

Girlstart

IEEE

IGDA

ISA

LPE

MRS

Nanotechnology Program at UT
Austin

NGWA

NSBE

NSHMBA

NSPE

PMI

SAME

SAMPE

SHPE

SPIE

SWE

Tau Beta Pi

TFMA

TRB

TSPE

UEFI

WEAT

WEF

WITI

WTS

Schools per district

District	Elementary	Middle	High	E/M	M/H	E/M/H	Total
Austin	34	6	2	1	-	-	43
Round Rock	16	1	3	-	1	-	21
Leander	6	1	1	-	-	-	8
Pflugerville	2	2	2	-	-	-	6
<i>Private</i>	-	-	2	3	-	1	6
Lake Travis	3	1	1	-	-	-	5
Other	10	5	2	-	-	-	17
Total	71	16	13	4	1	1	106

Schools per district (other)

District	Elementary	Middle	High	E/M	M/H	E/M/H	Total
Del Valle	-	2	1	-	-	-	3
Eanes	1	-	-	-	-	-	1
Elgin	-	1	-	-	-	-	1
Georgetown	1	-	-	-	-	-	1
Jarrell	1	1	-	-	-	-	2
Lago Vista	1	-	-	-	-	-	1
Manor	2	-	-	-	-	-	2
McDade	1	-	-	-	-	-	1
Temple	-	1	-	-	-	-	1
<i>Charter</i>	3	0	1	-	-	-	4
Total	10	5	2	-	-	-	17

Student contacts

District	Classrooms	Students
Austin*	321	6451
Del Valle	5	97
Eanes	40	530
Elgin	17	300
Georgetown	5	105
Jarrell	4	90
Lago Vista	4	85

District	Classrooms	Students
Lake Travis	67	1199
Leander	45	928
Manor	10	250
McDade	4	77
Pflugerville	27	623
Round Rock*	150	3113
Temple	not reported	

	Classrooms	Students
Charter	37	586
Private*	59	614

* Totals not reported for some schools

Other venues

Venue	Number of participants
Family Science Nights*	2038
Science Camps	937
Career Days*	900
Science Fairs*	420
Future Cities*	-
Total	4295

* Data not reported for some events

Other Central Texas STEM connections

Event	Number of participants
Austin Children's Museum Engineering Saturdays	-
Austin Science and Engineering Festival	20,000
Capital BEST	-
FIRST	-
FIRST LEGO League	-
Girlstart Spooky Science Extravaganza	260
Introduce a Girl to Engineering Day	1871
Young Engineering and Scientists' Day	-

Not included in the CTDE reported statistics

Teacher feedback

The volunteers and projects were great and the students had a blast making the cars. ...
Thank you for working so hard to make STEM events so powerful for our students.

We love your program!

Do not stop doing it!

It was a wonderful program and I wish it has more exposure because a lot of teachers did not know about it.

Our students and teachers look forward to Engineering Day and it is always cited as one of the highlights of the year. ... Thank you!

This was a great great experience! THANKS so much for making learning hands-on, fun, and engaging!

The volunteers were excellent! They were informative, asked students questions and probe their creative thinking and problem solving techniques. We would love to have them come and do future presentations!

Every year we love it!

Volunteer feedback

I enjoy spending an afternoon working with the kids. Usually the most difficult part is just making the time.

Great program. Kids loved the activity. Adults loved getting out of the office and reminding ourselves how cool our jobs are!

The distribution days were plentiful, at convenient times, and the people who staffed them were extremely helpful.

2010-2011 CTDE steering committee membership

Chairs

Rick McMaster, P.E. IBM

Jennifer Vargus, IBM

Linda Barlow, P.E., HVJ Associates, ASCE

Tricia Berry, The University of Texas at Austin

Jane-Ellen Carter, MACTEC, ASCE

Pierre Costa, at&t Labs

Warren Gill, IBM

Tom Grim, IEEE

Jose Guerrero, P.E., City of Austin

Don Willhouse, P.E., DEW Consulting Engineer

Katie Kizziar, The University of Texas at Austin

Katie Mills, SWE

Guillermo Ponce, Applied Materials

John Purvis, P.E., IEEE

Subbu Rama, Intel

Lonny Stern, Skillpoint Alliance

Carl Wentzel, P.E., 3M

CTDE Governance

