

Physics Day at Lagoon 2012

The twenty-third annual Utah State University Physics Day at Lagoon was held on May 18. This year Idaho National Lab (INL) and the USU Physics Department teamed to coordinate and run the event. There were approximately 5579 students and 530 teachers & chaperones from schools in four states [Utah, Idaho, Nevada and Wyoming] who attended.

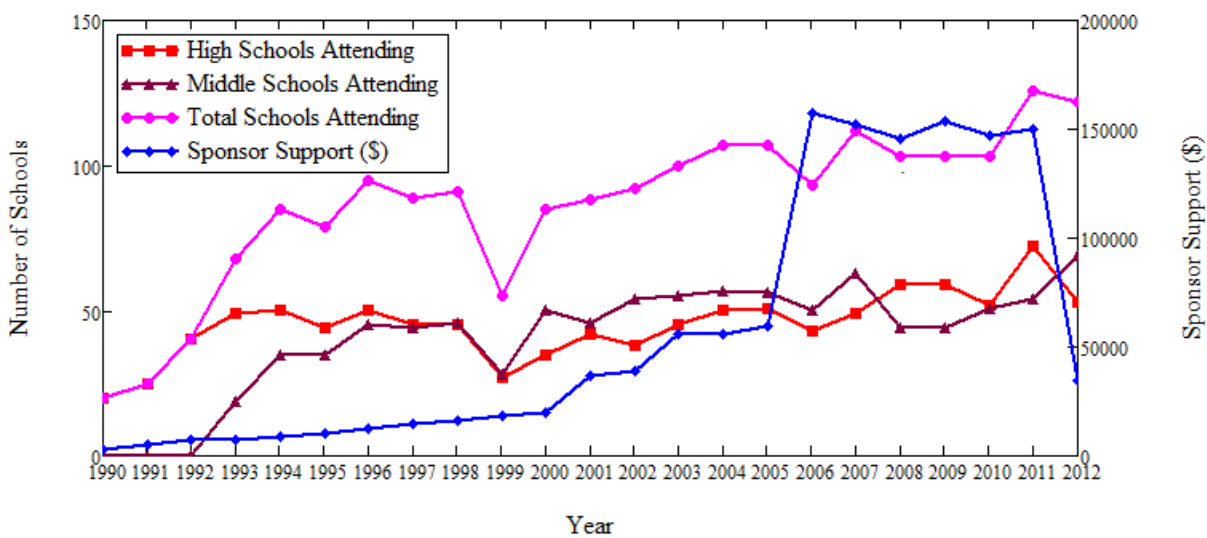
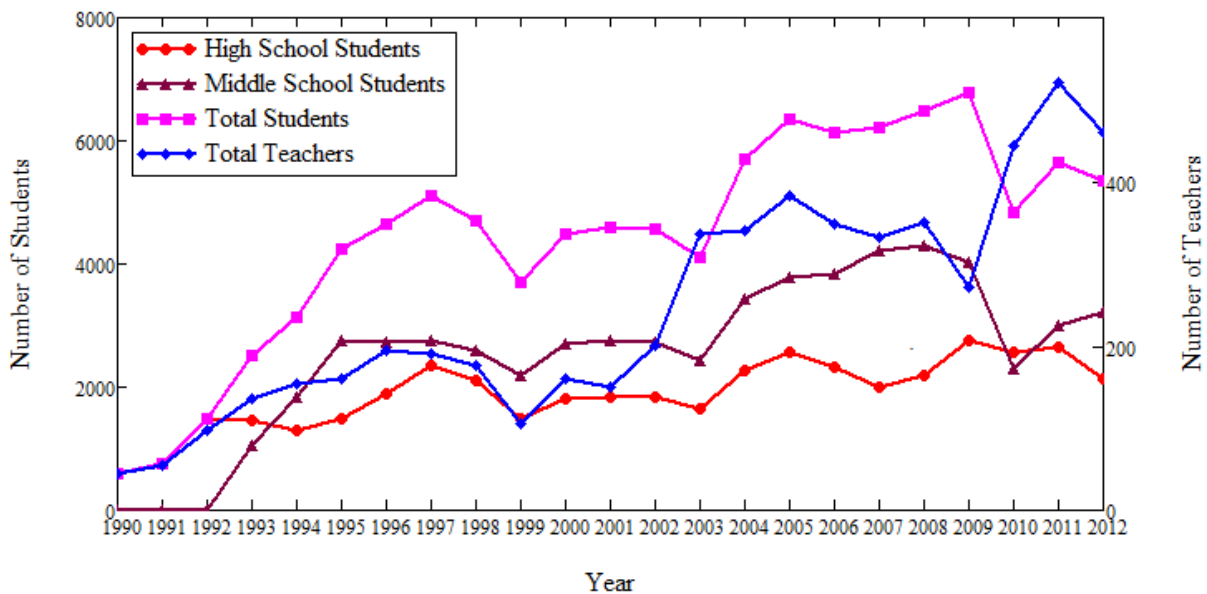
Event	High Schools	Middle Schools/ Junior High Schools
Physics Bowl	24 Teams, 72 Students	---
Smart Phone	0 Teams, 0 Students	1 Team, 3 Students
G-forces Contest	5 Teams, 8 Students	51 Teams, 224 Students
Demonstration Design Contest	10 Entries, 20 Students*	14 Entries, 28 Students*
Ride Design Contest	10 Entries, 20 Students*	30 Entries, 60 Students*
Logo Design Contest	55 Entries, 67 Students	136 Entries, 155 Students
Student Workbooks	6 Schools, 100 Students	4 Schools, 50 Students
Sky Drop Contest	113 Entries, 172 Students,	177 Entries, 278 Students,
Total Contest Participation	459 Participants	728 Participants
Totals Registered (Numbers in the table reflect actual registration. Because registration is not required, these are a low estimate in participation.)	Schools - 53 199 Teachers & Chaperones 2130 Students	Schools - 69 262 Teachers & Chaperones 3209 Students
Elementary Schools (Mindstorms)	Schools - 10 69 Teachers & Chaperones	240 Students
Grand Total	Schools 132 530 Teachers & Chaperones	5579 Students

*Estimated

It took 265 people to run Physics day at Lagoon. 121 faculty, staff, and students from the USU Physics Department, 23 Students and Faculty from SLCC, 6 INL staff, and about 32 additional judges and helpers other sponsoring agencies were on hand to assist with registration, organization and contest judging. 47 faculty, staff, and students from USU College of Science and USOE helped run MESA's Wind Energy Challenge. 42 volunteers from Boeing and the community helped run Mindstorm's Lego Competition. There was an estimated **\$31,851 in prizes awarded this year, in addition to as much as \$18,000 in scholarships to USU.** Sponsors included IM Flash Technologies, Lagoon, Boeing, ATK, INL, Hill AFB, Navy, Portage, Marie Putnam, BEA, USU College of Science, USU Bookstore, and USU Admissions Office.

Television coverage from KSL and Fox 13 in Salt Lake City provided very nice spots on the evening news of the event. The Davis County School and the Ogden Standard Examiner also had nice stories to cover the event.

Participation at Physics Day at Lagoon



Summary of Sponsor Prizes Awarded

Sponsor	Items	Quantity Awarded	Unit Price	Total Dollar Value
Lagoon	Season Passes	10	\$103.00	\$1,030
Lagoon	Day Passes	137	\$ 45.00	\$ 6,165
Boeing	Planes	100	\$0.25*	\$25.00
Boeing	Pens	100	\$ 0.25*	\$25.00
Navy	Stress Balls	20	\$2.00*	\$40.00
USU High School Relations	Stipend	3	\$2000	\$ 6,000
USU High School Relations	Stipend	3	\$4000	\$12,000
Hill AFB	Stress Balls		\$	\$0.00
Hill AFB	Bookbags	6	\$4.00*	\$24.00
				\$
				\$
				\$
				\$
Total Prizes				\$25,309.00

* Estimated value.

Committed.

Summary of Purchases

Number	Item	Vendor	Date	Cost
1	Prizes	Concept Zero	4/12	\$ 505.00
2	Prizes	Can You Imagine	4/12	\$ 2050.53
3	T-Shirts	Badger Printing	4/12	\$ 2298.86
4	Prizes	Arbor Scientific	4/12	\$ 1272.68
5	Prizes	Westminster	5/12	\$ 288.64
6	Prizes	Wal-Mart	5/12	\$ 129.13
7	Supplies- Eggs	Smiths	5/12	\$ 118.82
8	Supplies - Signs	Casey Larsen	5/12	\$ 980.00
9	Supplies	Staples	5/12	\$ 121.71
10	Supplies	Lowes	5/12	\$ 56.70
11	Shipping	PDP		\$ 682.65
12	Shipping	Distribution		\$ 280.53
13	Travel			\$ 592.28
14	Supplies	Server	#	\$ 641.64
15	Website Maintenance	Paul Brunson	#	\$ 150.00
16	Kristen Burns		#	\$ 1500.00
17	T-Shirts	Badger Printing	#	\$ 166.00
	Total Purchases			\$11838.44

Not yet spent.

Summary of Sponsor Cash Contributions

Number	Item	Source	Date	Income
1	Contribution for prizes	USU College of Science	5/11	\$ 750.00
2	Contribution for t-shirts	Boeing Corp.		\$ 0.00
3	Contributions for operations	Lagoon	*	\$ 5000.00
4	Contribution for prizes	RMNSGC	2/11	\$ 500.00
6	Contribution for prizes	ATK Launch Systems (Thiokol)	*	\$ 500.00
7	Contribution for prizes	USU College of Education	*	\$ 500.00
8	Contribution for prizes	INL(BEA)	4/11	\$ 500.00
9	Contribution for prizes	Marie Putnam	5/11	\$ 1000.00
10		IM Flash Technologies (Micron)	4/11	\$ 1000.00
11		Navy		\$
12		North Wind Environmental		\$
13		EIRMC		\$
14		Idaho NSGC		\$
15		Mathsoft		
16		Aerospace Heritage Foundation of Utah		
17		Moog Aircraft		
18				
	Total Cash Contributions Received			\$ 3750.00
	Total Cash Committed and/or Received			\$ 9750.00

* Support committed, but not yet received.

Contest Winners

Physics Bowl

1st Place

Trevor Hullinger, Jordan Miller, Michael Nelson
Lone Peak High School
Advisor: Tom Ereksen

2nd Place

Isaac Robertson, Jenica Jesson, Christian Lambert
Riverton High School
Advisor: Lisa Craig

3rd Place

Malcom Easton, James Fullmer, Jared Green
Cyrpus High School
Advisor: Iucker

4th Place

Cody Cortells, Steffan Sowards, Kyle Johnsen
Olympus High School
Advisor: Todd Summerhayes

Sky Drop

High School

1st Place

Eduardo Ortiz
Logan High School
Advisor: Chelsea Parrish

2nd Place

Anna Galura & Michael Butler
Herriman High School
Advisor: Tony Romanello

3rd Place

Alyssa Clark & Matt Easton
Brighton High School
Advisor: Melissa Usher

Middle School

1st Place

Simon Acosta
Mount Jordan Middle School
Advisor: Carla Coleman

2nd Place

Breanna Taylor & SaBree Hansen
Legacy Jr. High
Advisor: Bruce Illum

3rd Place

Grace Campbell
Good Foundations Academy
Advisor: Susan Goers

Demo Design

1st Place

Heide Barrie & Lance Good
Eagle Rock JHS
Advisor: Kristin Hadley

Marcus Marlette
Eagle Rock JHS
Advisor: Kristin Hadley

2nd Place

Christopher Hawkins & Matt Fuller
Kaysville JHS
Advisor: Mark Tolman

Courtney Beckett
Eagle Rock JHS
Advisor: Kristin Hadley

3rd Place

Silas Wright & Ricky West
Taylorsville JHS
Advisor: Miles

Tara Free
Eagle Rock JHS
Advisor: Kristin Hadley

Ride Design

High School

1st Place

Ashley Kennedy & Megan Weiss
City Academy
Advisor: Usha Narra

2nd Place

Shannon Wells & Diego Garcia
City Academy
Advisor: Usha Narra

3rd Place

Naomi Clements & Ana Laura Licon
Intech High School
Advisor: Stephanie Kawamura

Middle School

1st Place

Johny Schmidt & Deheb Burgoyne
Bountiful Jr. High
Advisor: Becky Dunleavy

2nd Place

Brock Allen
Bountiful Jr. High
Advisor: Becky Dunleavy

3rd Place

Sam Smith & Kevin Plaizier
Bountiful Jr. High
Advisor: Becky Dunleavy

G-Forces

High School

1st Place

Camilla Triana
InTech High School
Advisor: Stephanie Kawamura

2nd Place

Jackie Hamblen, Collin Martin, Dave Carver, Abby
Hutchinson
Burley High School
Advisor: Carrie Carson

3rd Place

MaKay Gerrat, Aren Anderson, Connor Beck,
Kadan Ward
Burley High School
Advisor: Carrie Carson

Middle School

1st Place

Ducan Allred, Jacob Meshev, Dillon Wheelock
Churchill Jr High
Advisor: Brian Lestarge

2nd Place

Cade Peterson, Tyler Dearss, Chris Hunt, Jacob
Murphy
Churchill Jr High
Advisor: Brian Lestarge

3rd Place

Adam Tingey, Carson Wilde, Spencer Call, Parker
Jensen
Churchill Jr High
Advisor: Brian Lestarge

Logo Design

High School

1st Place

Michelle Tran
Ames High School
Advisor: Monica Carlson

2nd Place

Spencer Lehr
Box Elder High School
Advisor: Emma Smith

3rd Place

Valarie Vargas
Horizonte High School
Advisor: Susan McFarland

Middle School

1st Place

McKenna Barrett
Legacy Jr. High
Advisor: Bruce Illom

2nd Place

Isabelle Crosby
Kaysville Jr. High
Advisor: Alex Tolman

3rd Place

Kristi Kaptien & Anna Pretzer
Taylorsville Jr High
Advisor: Joseph Timchak

Smart Phone

Matt Easton, Alyssa Clark, & Liza Jarman
Brighton High School
Advisor: Sarah Carlson

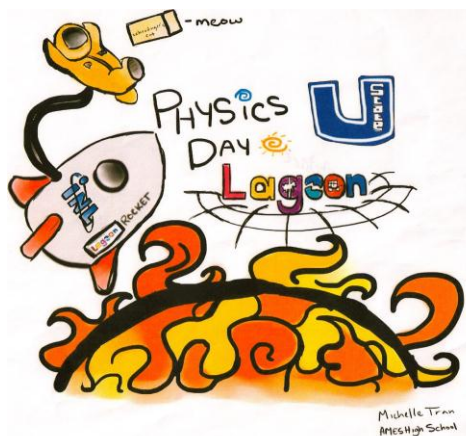
Logo Design

High School

1st Place

2nd Place

3rd Place



Middle School

1st Place

2nd Place

3rd Place

