

Physics Day at Lagoon 2011

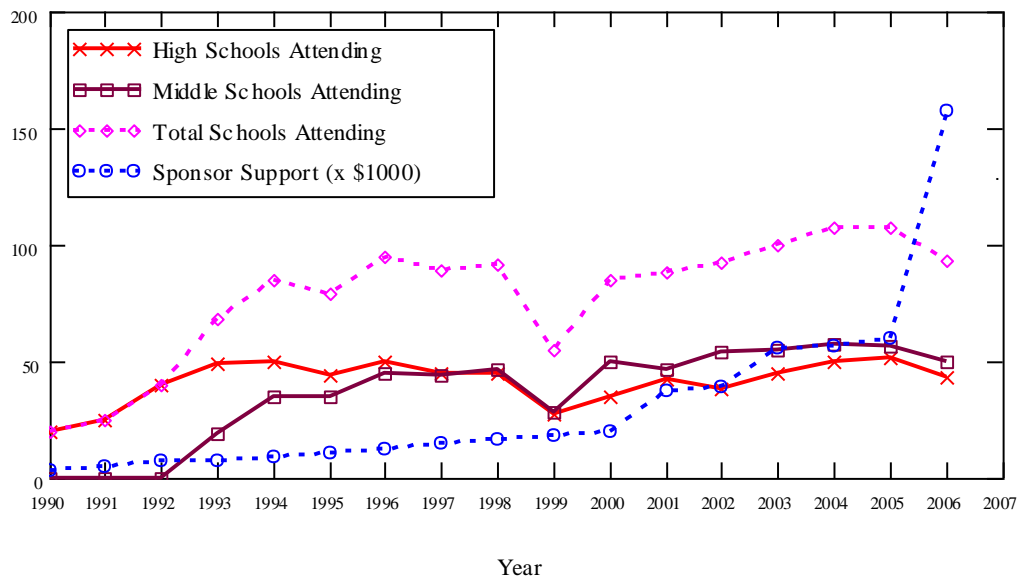
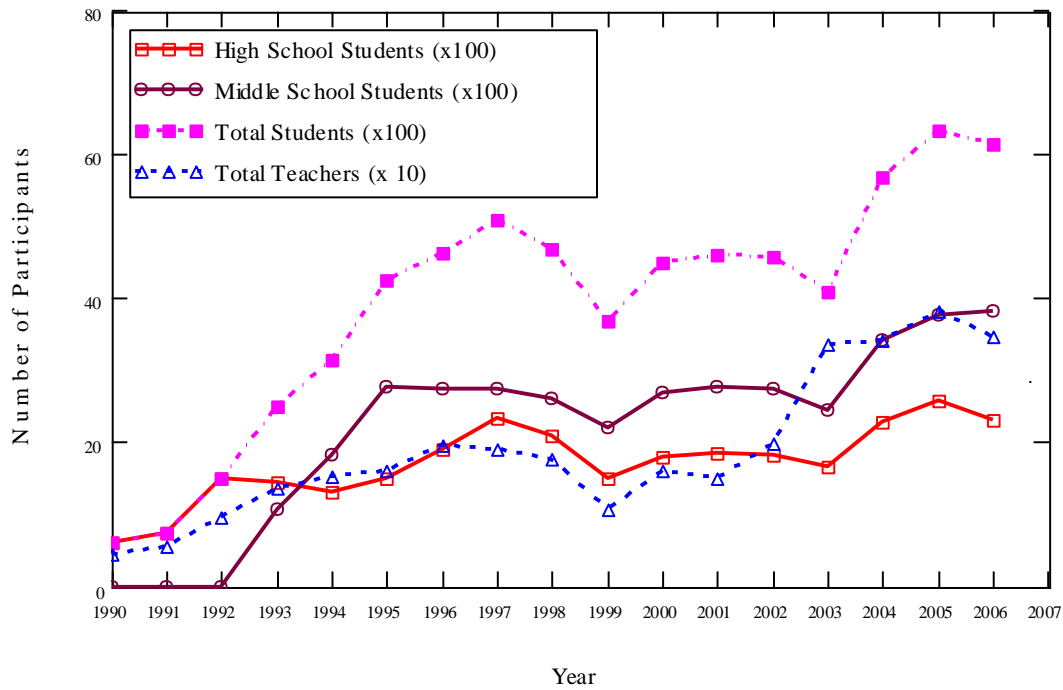
The twenty-first annual Utah State University Physics Day at Lagoon was held on May 13. This year Idaho National Lab (INL) and the USU Physics Department teamed to coordinate and run the event. There were approximately 5611 students and 519 teachers from schools in four states [Utah, Idaho, Nevada and Wyoming] who attended. The big change this year was the addition of the new Sky Ride contest. It was successful beyond our wildest expectations, with 0 students participating!. The most exciting development was a nearly 100% increase in the number of students participating in our organized activities, with an estimated 0 students participating!

Event	High Schools	Middle Schools/ Junior High Schools
Physics Bowl	19 Teams, 55 Students	---
G-forces Contest	8 Teams, 24 Students	44 Teams, 166 Students
Demonstration Design Contest	5 Entries, 9 Students	39 Entries, 56 Students
Ride Design Contest	8 Entries, 14 Students	54 Entries, 73 Students
Logo Design Contest	29 Entries, 37 Students	184 Entries, 217 Students
Student Workbooks	10 Schools, 326 Students	6 Schools, 50 Students
Sky Drop Contest	29 Schools, 217 Students, 1 survived	33 Schools, 733 Students, 65 survived
Total Contest Participation	2516 Participants	2936 Participants
Totals Registered (Numbers in the table reflect actual registration. We estimate that ~20% of those participating in contests did not complete registration on Physics Day.)	Schools - 72 270 Teachers ~ 2639 Students	Schools - 54 251 Teachers ~ 3012 Students

About ninety faculty, staff, and students from the USU Physics Department, two INL staff, and about forty-five additional judges and helpers other sponsoring agencies were on hand to assist with registration, organization and contest judging. The number of sponsor displays continues to grow in both number and ability to impress the students. There were an estimated **\$22,000 in prizes awarded this year, in addition to as much as \$123,600 in scholarships to USU**. The top six students of the Physics Bowl were offered **four year scholarships to USU** by the USU Admissions Office. The first place team members are awarded two semesters of free text books and the second place team members receive one semester of free text books. Sponsors included IM Flash Technologies, Lagoon, Aerospace Heritage Foundation of Utah, BEA, USU College of Science, USU Bookstore, and USU Admissions Office.

Television coverage from KSL and Ch. 4 in Salt Lake City provided very nice spots on the evening news of the event. The Deseret News and the Ogden Standard Examiner also had nice stories to cover the event.

Participation at USU Physics Day at Lagoon



Summary of Prizes awarded:

Sponsor	Items	Quantity Awarded	Unit Price	Total Dollar Value
Lagoon	Season Passes	4	\$93.95	\$375.80
Lagoon	Day Passes	12	\$33.95	\$407.40
Idaho NASA Space Grant Consortium	T-shirts and pens		\$9.00	\$
ATK Thiokol	Highlighters, etc		\$	\$
INL	Mugs, Pens, etc.		\$	\$
INL	T-shirts, etc.		\$	\$
Mathsoft	Mathcad		\$	\$
Navy	Water Bottles, Pens, etc			\$
S&S Power	T-shirts			\$
EIRMC				\$0
USU College of Science, RMNSGC, Thiokol, Boeing, INSGC, INEEL	T-shirts			\$
USU College of Science, RMNSGC, Thiokol, Boeing, INSGC, INEEL	Purchased Prizes			\$
USU Bookstore	Book Scholarships			\$
Private donor for Literacy Council of Idaho Falls	Book Scholarship			\$
USU High School Relations	Four Year Scholarship		\$	\$
Total Prizes				\$

* Estimated value.

Committed.

Summary of Purchased Prizes

Number	Item	Vendor	Date	Cost
1	Prizes	Amazon	8/10	\$ 175.42
2	Prizes	Westminster	4/10	\$ 643.71
3	T-Shirts	Badger Printing	5/10	\$ 2298.75
4	Prizes	Arbor Scientific	9/10	\$ 357.04
5	Prizes	Expercom	5/10	\$ 4.97
6	Prizes	Edmund Scientific	4/11	\$ 595.90
7	Prizes	Sci Supply	4/11	\$ 420.05
8	Prizes	SK	4/11	\$ 235.20
9	Supplies	Staples		\$ 263.12
10	Supplies	Bookstore	5/11	\$ 44.37
11	Shipping	FedEx	5/11	\$ 12.64
11	Prizes	Can Jon Imagine	4/11	\$ 1462.74
12	Envelopes	PDP		\$ 183.52
13	LD Products			\$ 246.97
14	Travel			\$ 402.00
15	Kristen Burns			\$ 1500.00
16				\$
	Total Purchased Prizes			\$ 8846.40

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.	5/11	\$ 2500.00
3	Contributions for operations	Lagoon	5/11	\$10,500.00
4	Contribution for prizes	RMNSGC	2/11	\$ 500.00
6	Contribution for prizes	ATK Launch Systems (Thiokol)	5/11	\$ 500.00
7	Contribution for prizes	Micron		\$
8	Contribution for prizes	Aerospace Heritage Foundation of Utah		\$
9	Contribution for prizes	INL(BEA)	4/11	\$ 1,000.00
10	Contribution for prizes	Marie Putnam	5/11	\$ 1,000.00
11	Contribution for prizes	North Wind Environmental	*	\$
12		EIRMC		\$
13		Idaho NSGC	*	\$
14		Mathsoft		
15		Navy		
16		IM Flash Technologie (micron)s	4/11	\$1000.00
		Moog Aircraft		
17		S&S Power		
	Total Cash Contributions			\$17,750.000

* Support committed, but not yet received.

