

Totals for Physics Outreach  
 January 1, 2008 to July 31, 2008

Events	35
Schools Visited	29
Classrooms Visited	20
Teachers K-12 Reached	123
Students K-12 Reached	3937
Undergraduate Students Reached	0
Pre-service Teachers Reached	0
Community Reached	6608
Teachers K-12 Participating	181
Students K-12 Participating	2277
Undergraduate Students Participating	8
Pre-service Teachers Participating	2
Community Participating	84
Continuing Education Courses Offered	1
University Courses Offered	2
Courses Developed/Collaborated On	1
Activities Developed/Collaborated On	13
Number of Speakers	0
Number Reached	0
Number of Participants	0

**Department of Physics K-12 Outreach Programs  
January 1, 2008 through July 31, 2008**

Physics 290M, Service Learning Outreach, meets weekly to discuss aspects associated with service learning (e.g., what students learned from their experience). Physics 290S, Outreach Assistance, allows students opportunity to assist outreach coordinators with school/classroom visits (e.g., Focus on Science) and/or with community events.

Date(s)	Event/Location	Schools Visited	K-12 Stud Reach	Comm Reach	K-12 Student Particip	Undergrad Students Particip	Activities Developed/ Collaborated On
1/9/2008 to 5/5/2008	Service Learning Outreach/Outreach Assistance	6	0	0	128	4	3
4/12/2008	Purdue Univ. SpringFest	0	500	500	0	4	1
Totals	2	6	500	500	128	8	4

PEARLS, Physics Educational Activities, Resources, and Learning Strategies provides activities that get K-12 students excited about physical science and experiences for teachers and parents related to the importance of science, engineering, and technology. The following events were part of PEARLS:

Teacher/School Consultations and Tours: This group of activities includes planning events with classroom teachers—either for the classroom or for tours of the physics department.

Date(s)	Event/Location	K-12 Teachers Participating	Activities Developed/ Collaborated On
1/17/08	Consultation, Kim Markley, Pine Village Elementary	1	1
4/30-5/1 2008	Consultation: 5 <sup>th</sup> grade teachers at Watson Elementary School, Lake Central Schools, Munster	5	1
4/23/2008	Tour: North Montgomery HS students	10	1
4/28/2008	Consultation: K-5 teachers, Pine Village Elementary School, MSD Warren Township	12	1
5/8/2008	First Assembly HS/Tri-County student tour	16	2
5/29/2008	Consultation: K-5 teachers, MSD Warren Township	30	1
Totals	4	58	7

Physics on the Road visits consist of large convocation-style demonstration shows and/or small group hands-on experiences with concepts in physics for the entire school, including students, teachers, and volunteer parents. In the table D represents demo shows, H represents small group hands-on experience, and \* represents part of APS grant. D=demos, H=Hands-on

Date(s)	Event/ Location	Schools Visited	K-12 Teach Reach	K-12 Stud Reach	Com Reach	K-12 Teach Part	K-12 Stud Part	Com Part	Act Devel Colla On
0/31/2008	D/H: Oak Hill Jr High School, Converse, IN	1	0	0	0	6	250	0	0
2/12/2008	D/ H: Kolling Elementary, St. John, IN	1	0	0	0	21	525	36	0
2/21/2008	D: Hobart Middle School, Hobart, IN	1	26	895	0	0	0	0	0
2/23/2008	D: Carmel Clay Public Library, Carmel, IN	0	0	0	100	0	0	0	0
2/26/2008	D: Our Lady of Grace Elementary Noblesville, IN	1	8	350	0	0	0	0	0
3/3/2008	D: Motar Board Reading Purdue WL	0	0	0	150	0	0	0	0
3/7/2008	H: Beekman Live Pre-Show Purdue Univ	0	0	0	500	0	0	0	0
3/20/2008	D: New Hope School, Rossville, IN	1	6	73	0	0	0	0	0
4/2, 4/3, 4/4 2008	D: South Bend Symphony, South Bend IN	1	0	0	5100	0	0	0	0
4/10/2008	D: SE Fountain Elem Veedersburg I N	1	23	687	140	0	0	0	0
4/18/2008	D/H: Watson Elementary Scherville, IN	1	0	0	0	30	749	36	0
4/07/2008	D: SpringFest Purdue WL	0	0	50	100	0	0	0	0
4/29/2008	D: Cherry Tree Elementary, Carmel, IN	1	15	450	0	0	0	0	0
5/8/2008	D: Jennings County MS N. Vernon, IN	1	30	494	0	0	0	0	0
5/21/2008	D: Tri-County Middle/Sr High	1	15	438	0	0	0	0	0

	Wolcott, IN								
7/10/2008	D/H: W.L. Christian Church W.L., IN	0	0	0	18	0	123	12	0
Totals	14	12	123	3437	6108	57	1704	84	0

Classroom Visits: These individual classroom visits were developed to take an interactive lesson related to a single concept (e.g., Density) to smaller groups. Each classroom visit has been matched to the Indiana Science Standards. Students are then invited to write to share what they have learned on the Young Scientists website in Physics. A lesson plan is left for the teacher, so s/he may extend the visit and/or complete the activities independently in the future.

Date(s)	Event/Location	Schools Visited	Classrooms Visited	K-12 Students Participating	K-12 Teachers Participating	Activities Developed
2/9/2008	Density Benton Com Schools	1	1	20	1	1
3/4/2008	Electr & Magne Wash Township Indianapolis, IN	2	2	50	2	1
3/14/2008	Cryogenic Temp Kankakee Valley Middle School Wheatfield, IN	1	5	120	1	0
3/18/2008	LEGOs Structures Wash Township Indianapolis, IN	1	1	25	1	1
3/25/2008	Light and Color Bon Air MS Kokomo, IN	1	6	120	1	1
4/24/2008	Cryogenic Temp Immacul Heart Indianapolis, IN	1	2	50	2	0
5/9/2008	Elec & Magnet Knox Elem Knox, IN	1	1	25	1	0
5/13/2008	Student Advising McCutcheon HS	1	1	8	1	1

	Lafayette IN					
5/20/2008	Cryogenic Temp Knox Elem Knox, IN	1	1	1	1	0
TOTALS	10	10	20	419	11	5

Teacher Professional Development Workshops are workshops offered by Purdue Department of Physics.

Date(s)	Event/Location	K-12 Teachers Participating	University Faculty	Pre-Service Teachers Participating
1/20/2008	Science & the Public Crackerbarrel AAPT-Baltimore	0	1	1
2/07 – 2/08 2008	HASTI	50/ 2 sessions	0	2
6/9-6/13 2008	Purdue QuarkNet Summer Seminar	9	2	1
Totals	3	59	3	4