

Totals for Physics Outreach
 January 1, 2007 to July 31, 2007

Events	34
Schools Visited	29
Classrooms Visited	52
Teachers K-12 Reached	146
Students K-12 Reached	4764
Undergraduate Students Reached	0
Pre-service Teachers Reached	0
Community Reached	920
Teachers K-12 Participating	340
Students K-12 Participating	3924
Undergraduate Students Participating	10
Pre-service Teachers Participating	2
Community Participating	129
Continuing Education Courses Offered	1
University Courses Offered	3
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, 2007 through July 31, 2007**

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
1/9/2006 to 5/5/2006	Service Learning Outreach/Outreach Assistance	2	0	0	30	4	1
4/14,15, 2007	Purdue Univ. SpringFest	0	500	500	0	6	1
Totals	2	2	500	500	30	10	2

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:

Science/Arts Collaborations: Programs look at connections between science and the arts. The time spent during the first half year for this grant has involved planning and developing teacher professional development and assessment tools that were used from February-April, 2007.

Date(s)	Event/Location	K-12 Teacher Reach	K-12 Student Reach	K-12 Teacher Particip	K-12 Student Particip	Activities Developed/ Collaborated On
1/6/2007 to 7/31 /2006	DLC Seed Grant: The Impact of Performing Arts on Science Learning	0	0	11	275	2
Totals	1	0	0	11	275	2

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
4/25/2006	Consultation, Cheryl Mc Lean, McCutcheon HS	1	1
Totals	1	1	1

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
0/10/2007	D: Bittersweet Elem School, Mishawaka IN	1	21	424	0	0	0	0	0
2/01/2007	D/ H: St. John the Evangelist St. John, IN	1	0	0	0	18	308	0	0
2/08/2007	D: HASTI	0	25	0	0	0	0	0	1
2/26/2007	D: Coulston Elem School, Shelbyville, IN	1	27	527	0	0	0	0	0
03/01/2007	D: Crooked Creek Elemen Indianapolis	1	9	242	0	0	0	0	0
3/05/2007	D: Motar Board Reading Purdue WL	0		0	150	0			0
3/08/2007	D: Hobart MS Hobart, IN	1	29	869	0	0	0	0	0
3/23/2007	D/H: Jonas Salk Elemen Merrillville IN	1	0	0	0	22	550	48	0
3/24/2007	D: Ivy Tech Terre Haute IN	0	0	0	140	0	0	0	0
4/4-6/2007	D/H: F.H. Hammond, Munster, IN	1	0	0	0	30	749	36	1
4/07/2007	D: SpringFest Purdue WL	0	0	50	100	0	0	0	0
4/10/2007	D: Center Grove MS Greenwood IN	1	11	276	0	0	0	0	0
4/19/2007	D/H: Elliott Elementary Munster, IN	1	0	0	0	20	406	45	0
5/04/2007	D: Jennings Middle School North Vernon	1	19	466	0	0	0	0	0
5/16-23/2007	D: Indiana Beach	0	5	1250	0	0	0	0	0
6/15/2007	D: Science Bound Purdue WL	0	0	60	0	0	0	0	0
7/12/2007	D: Tippecanoe Co. Public Library	0	0	100	30	0	0	0	0

Totals	17	10	146	4264	420	90	2013	129	2
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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
1/23/2007	Cryogenic Temp Oakland School	1	3	75	3	1
2/21-2/23 2007	Cryogenic Temp Observation Maple Grove Elem Greenwood IN	1	12	273	12	2
2/28/2007	Cryogenic Temp Observation Maple Grove Elem Greenwood IN	1	4	91	4	0
3/13/2007	Elect & Magnetism Warren Central Elem	1	3	90	3	1
3/14-3/16 2007	Cryogenic Temp Observation Maple Grove Elem Greenwood, IN	1	13	273	13	0
4/10/2007	Unraveling Mysteries of Air Dayton Elementary, Miami Elementary Dayton, Lafayette IN	2	4	100	4	1
4/12/2007	Cryogenic Temp Peru Jr High Peru IN	1	1	126	1	0
4/16/2007	Density Oakland Elementary Lafayette IN	1	2	50	2	1
4/17/2007	Cryogenic Temp Peru Jr High Peru IN	1	1	126	1	0

4/24/2007	Cryogenic Temp Miller Elementary Lafayette, IN	2	2	50	2	0
5/08/2007	Cryogenic Temp Peru Jr High Peru, IN	1	1	126	1	0
5/10/2007	Cryogenic Temp Peru Jr High Peru, IN	1	1	126	1	0
5/16/2007	Cryogenic Temp Middle School Purdue Univ, WL	1	2	50	2	0
5/17/2007	Physics Careers Northwest HS Indianapolis IN	1	1	15	1	1
5/18/2007	Cryogenic Temp Middle School Purdue Univ, WL	1	2	50	2	0
TOTALS		14	51	1606	51	6

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
1/22/2007	Purdue QuarkNet Center Purdue Physics Dept	2		1
2/08 – 2/09 2007	HASTI	150/ 3 sessions		0
4/30/2007	INAAPT	18	18	4
7/16-7/20 2007	Purdue QuarkNet Summer Seminar	7	3	0
7/29/2007	American Association of Physics Teachers National Meeting at Greensboro NC	10	10	1
Totals		187	31	6