



American Association of Physics Teachers  
**PHYSICSBOWL 2005**

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## 2005 Physics Bowl Results

Dear Physics Teacher,

Thank you for having your students participate in this year's AAPT PhysicsBowl high school physics contest. This year there were over 6100 students participating from over 280 schools all across the country and Canada.

Enclosed are lists of the top two schools in each division and top two students in each division by region. Several placings were determined by tie-breakers. For students, the answers were compared from the end of the test forward until the tie was resolved. For schools, the tie was broken by comparing the highest scoring students for each team.

Unfortunately, several students had to be disqualified because they had not properly filled out their entire answer sheets. The individual scores of students who improperly filled out the forms were not included in the team scores.

A copy of this year's test along with solutions, as well as individual and team winners can be found at the following web site:

<http://phys.udallas.edu/AAPT>

Thank you for participating in the World Year of Physics PhysicsBowl competition! I hope that you will enter the 2006 PhysicsBowl next year.

Best wishes,

*Richard P. Olenick*

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The enclosed sheets give the school's team score and the following information obtained from each student's answer form:

Student Name	School ID Number	Division	Region	Score
All of the above information was read directly from each student's answer sheet. Errors are the results of improperly filled out forms. For any missing students, please contact Dr. Courtney Willis, <a href="mailto:Courtney.Willis@unco.edu">Courtney.Willis@unco.edu</a> .				

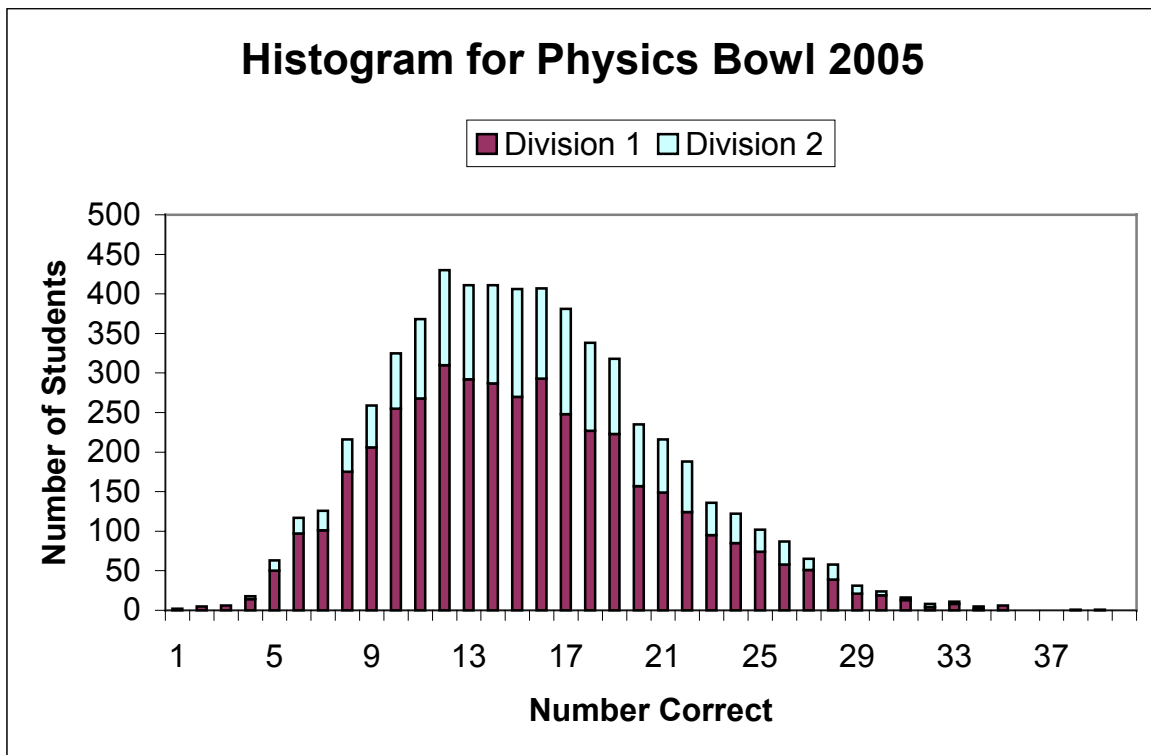


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## Statistics

Average Score for Division I = 15.5 with a standard deviation of 6.5

Average Score for Division II = 15.8 with a standard deviation of 5.6





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**Top Division I Student**

<u>Region</u>	<u>Score</u>	<u>Student</u>	<u>School</u>	<u>City</u>	<u>State</u>
04	40	GROVEMAN ETHAN	Millburn HS	Millburn	NJ

**Highest Scoring Division I Students in each Region**

<u>Region</u>	<u>Score</u>	<u>Student</u>	<u>School</u>	<u>City</u>	<u>State</u>
02	34	HOON JEREMY D	Guilford HS	Guilford	CT
03	36t	FEI LIN	Don Mills Collegiate	Toronto	ON
04	40	GROVEMAN ETHAN	Millburn HS	Millburn	NJ
05	29	GRIMMER THRIVE H	Woodbury Forest	Woodbury Forest	VA
06	33	KIM KYU SEO	Darlington School	Rome	GA
07	33	STRINGER IAN S	Revere HS	Richfield	OH
08	32	JULIUS PATRICK NR	Ann Arbor Huron HS	Ann Arbor	MI
09	34	WANG IRVIN D	Libertyville HS	Libertyville	IL
10	31	DIMITROV VELIN D	Edina Senior HS	Minneapolis	MN
11	32	SEITZ KEVIN P	Montgomery Bell	Nashville	TN
12	34	VIOX DANIEL J	St. Louis Univ. HS	St. Louis	MO
13	30t	AANCROFT ANNA P	Albuquerque Acad.	Albuquerque	NM
14	36t	FRANZEN QUINN E	Punahou School	Honolulu	HI
15	34	LIU CHRISTOPHER I	Mountain View HS	Vancouver	WA
20	36	CHARTRAND THOMAS	Maine School of Sci.	Limestone	ME

**Second Highest Scoring Division I Students in each Region**

<u>Region</u>	<u>Score</u>	<u>Student</u>	<u>School</u>	<u>City</u>	<u>State</u>
02	32	GILCHRIST RYAN D	Guilford HS	Guilford	CT
03	36t	ZHAO YUFEI	Don Mills Collegiate	Toronto	ON
04	36	COHEN ERIC	Millburn HS	Millburn	NJ
05	28	ORTEGO RYAN N	Commonwealth Governor	Fredericksburg	VA
06	32	YIN QIUSHI	Druid Hills HS	Atlanta	GA
07	31	HEDMAN PETER F	Hawken School	Gates Mills	OH
08	30	BOOTH ABRAM A	Chelsea School	Chelsea	MI
09	32	LEVITUS ADAM D	Palatine HS	Palatine	IL
10	27	RENSCH GABE	Rapid City Central HS	Rapid City	SD
11	31	GISH ROBERT C	Randolph School	Huntsville	AL
12	32	WESTWOOD JOEL R	St. Louis Univ. HS	St. Louis	MO
13	30t	BRIGGS RANDALL M	Albuquerque Acad.	Albuquerque	NM
14	36t	WU TONY	University HS Irvine	Irvine	CA
15	33	SMITH TYNAN S	Boise HS	Boise	ID
20	35	NAUMOV VICTOR	Stuyvesant HS	New York	NY



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**Top Division II Student**

<u>Region</u>	<u>Score</u>	<u>Student</u>	<u>School</u>	<u>City</u>	<u>State</u>
14	38	LO DAVID	Olympia Institute	San Francisco	CA

**Highest Scoring Division II Students in each Region**

<u>Region</u>	<u>Score</u>	<u>Student</u>	<u>School</u>	<u>City</u>	<u>State</u>
02	27t	CAI SOPHIE	Ridgefield HS	Ridgefield	CT
03	32	WADHWA NEAL	Ward Melville HS	East Setauket	NY
04	34t	POTECHIN AARON H	Millburn HS	Millburn	NJ
05	31	CHEN DAVID	Thomas S Wooten	Rockville	MD
06	33	LUO YUANLUNG	Darlington School	Rome	GA
07	34	MECKLENBURG ERIC J	Hawken School	Gates Mills	OH
08	26	KANJANABOOS PONGSAKO	Cranbrook Kingswood	Bloomfield Hills	MI
09	30t	GAEBLER PHILIPP E	Cedar Rapids Home S	Cedar Rapids	IA
10	31	MORSE TAYLOR A	Spring Lake Park HS	Spring Lake Park	MN
11	32	ILAS DRAGOS C	Oak Ridge HS	Oak Ridge	TN
12	22	MCKNIGHT THOMAS A	Mt. Michael Benedictine	Elkhorn	NE
13	34	SCHWENDNER ALEX R	Austin Area Home.	Austin	TX
14	38	LO DAVID	Olympia Institute	San Francisco	CA
15	29	VRABLE IAN A	Timberline HS	Boise	ID
20	33t	SCHWARZKOPF GREGORY	Manalapan HS	Englishtown	NJ

**Second Highest Scoring Division II Students in each Region**

<u>Region</u>	<u>Score</u>	<u>Student</u>	<u>School</u>	<u>City</u>	<u>State</u>
02	27t	WONG BRIAN	Concord Academy	Concord	MA
03	29	LI TONY Y	Ward Melville HS	East Setauket	NY
04	34t	LEIGHTON DANIEL HW	Livingston HS	Livingston	NJ
05	28	WANG ALAN	Thomas S Wooten	Rockville	MD
06	29	BECKER NATE H	Stoneman Douglas	Parkland	FL
07	24	OGLE ERIC R	Christian Acad. Louis.	Louisville	KY
08	25	BOUGHER JAMIE L	Chelsea School	Chelsea	MI
09	30t	CHANG CLIFF K	New Trier HS	Winnetka	IL
10	29	WANG MENG	GFW HS	Winthrop	MN
11	28	KAPOOR SANJ S	Randolph School	Huntsville	AL
12	21	LINDGREN SCOTT A	Mt. Michael Benedictine	Elkhorn	NE
13	30	MOU YANG	William P. Clements HS	Sugar Land	TX
14	29	HAN JAY	The Harker School	San Jose	CA
15	28	FAZZIO III FRANK J	Bishop Kelly HS	Boise	ID
20	33t	ZHU DANNY	Stuyvesant HS	New York	NY



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First and Second Place Schools  
Division I

**Highest School Score in Division I**

<u>Score</u>	<u>School</u>	<u>City</u>	<u>State</u>
138	Millburn HS	Millburn	NJ

**Highest Scoring Division I Schools in each Region**

<u>Region</u>	<u>Score</u>	<u>School</u>	<u>City</u>	<u>State</u>
02	124	Guilford HS	Guilford	CT
03	127	Don Mills Collegiate Inst.	Toronto	ON
04	138	Millburn HS	Millburn	NJ
05	112	Woodbury Forest School	Woodbury Forest	VA
06	111	Darlington School	Rome	GA
07	119	Hawken School	Gates Mills	OH
08	108	Ann Arbor Huron HS	Ann Arbor	MI
09	124	Libertyville HS	Libertyville	IL
10	94	Heritage Christian HS	Milwaukee	WI
11	117	Montgomery Bell Academy	Nashville	TN
12	129	St. Louis University HS	St. Louis	MO
13	113	Albuquerque Academy	Albuquerque	NM
14	128	Punahou School	Honolulu	HI
15	109	Mountain View HS	Vancouver	WA
20	129	Stuyvesant HS	New York	NY

**Second Highest Scoring Division I Schools in each Region**

<u>Region</u>	<u>Score</u>	<u>School</u>	<u>City</u>	<u>State</u>
02	103	Cheshire HS	Cheshire	CT
03	123	Ward Melville HS	East Setauket	NY
04	133	George Washington HS	Philadelphia	PA
05	108	T C Williams HS	Alexandria	VA
06	107	Walton HS	Marietta	GA
07	116	Revere HS	Richfield	OH
08	98	Chelsea School	Chelsea	MI
09	108	Palatine HS	Palatine	IL
10	90	Rapid City Central HS	Rapid City	SD
11	115	Randolph School	Huntsville	AL
12	100	Blue Valley North HS	Overland Park	KS
13	109	St. Marks School of Texas	Dallas	TX
14	125	University HS Irvine	Irvine	CA
15	108	Boise HS	Boise	ID
20	123	Maine School of Science & Math	Limestone	ME



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## First and Second Place Schools Division II

### Highest School Score in Division II

<u>Score</u>	<u>School</u>	<u>City</u>	<u>State</u>
113	Manalapan HS	Englishtown	NJ

### Highest Scoring Division II Schools in each Region

<u>Region</u>	<u>Score</u>	<u>School</u>	<u>City</u>	<u>State</u>
02	98	Concord Academy	Concord	MA
03	113t	Ward Melville HS	East Setauket	NY
04	112	Livingston HS	Livingston	NJ
05	110	Thomas S Wooten HS	Rockville	MD
06	107	Stanton College Prep	Jacksonville	FL
07	98	Hawken School	Gates Mills	OH
08	89	Chelsea School	Chelsea	MI
09	107t	New Trier HS	Winnetka	IL
10	90	Marshfield HS	Marshfield	WI
11	101t	Oak Ridge HS	Oak Ridge	TN
12	77	Mt Michael Benedictine HS	Elkhorn	NE
13	102	William P Clements HS	Sugar Land	TX
14	102	The Harker School	San Jose	CA
15	102	Western Canada HS	Calgary	AL
20	113t	Manalapan HS	Englishtown	NJ

### Second Highest Scoring Division II Schools in each Region

<u>Region</u>	<u>Score</u>	<u>School</u>	<u>City</u>	<u>State</u>
02	95	Ridgefield HS	Ridgefield	CT
03	98	Don Mills Collegiate Inst.	Toronto	ON
04	110	Millburn HS	Millburn	NJ
05	94	Myers Park HS	Charlotte	NC
06	99	Stoneman Douglas HS	Parkland	FL
07	77	Princeton HS	Cincinnati	OH
08	87	Cranbrook Kingswood School	Bloomfield Hills	MI
09	107t	Libertyville HS	Libertyville	IL
10	88	Arrowhead HS	Hartland	WI
11	101t	Randolph School	Huntsville	AL
12	75	Clayton HS	Clayton	MO
13	93	St. Marks School of Texas	Dallas	TX
14	98	Punahou School	Honolulu	HI
15	100	Timberline	Boise	ID
20	106	Montgomery Blair HS	Silver Spring	MD

t = ties determine by tiebreaker