

## 2017 PhysicsBowl Results: Regions 01 – 14

Dear Physics Teachers,

Enclosed are lists of

- the overall top 10 students in each division
- the overall top 5 schools in each division
- the first and second place students in each division by region.
- the top 4 schools in each region by division

Unfortunately, we received many answer sheets which did not properly fill in the required information which resulted in the student's score being disqualified for consideration of either individual prizes or for the team score. This is an unfortunate necessity because of the amount of data that must be analyzed. Also, some instructors appear not to have followed the instructions resulting in some students being disqualified. We cannot go and check exams individually to look for errors, so it is up to the proctors and instructors to be sure to follow the instructions.

This year, we are able to award the following prizes:

- To the top overall school in each Division
  - \$100 gift certificate awarded from Pasco Scientific
- To the top 5 overall schools in each Division:
  - \$100 gift certificate awarded from CPO Science
  - "PhysicsBowl Champion" T-shirts awarded to the five top students from each school from AAPT.
- To the top two scoring schools in each region/division:
  - \$50 gift certificate awarded from Vernier Software & Technology
  - A rattleback from Arbor Scientific.
  - "PhysicsBowl Champion" T-shirts awarded to the five top students from the *1<sup>st</sup>* place school in each region from AAPT.

All student winners will receive a copy of "Used Math" from AAPT. In addition, student winners receive

- To the top 10 overall students in each Division:
  - A copy of "Relativity" from Cambridge University Press and a copy of "Mad About Physics" from John Wiley & Sons.
- To the 1<sup>st</sup> place student in each Division by Region
  - A copy of a book from Princeton University Press or from Cambridge University Press.
- To the 2<sup>nd</sup> place student in each Division by Region
  - A Mysterious Glowing Ball from Educational Innovations, Inc.

A copy of this year's test along with solutions, as well as individual and team winners for all regions can be found at the following web site: [websites.delta.edu/michaelfaleski/PhysicsBowl](http://websites.delta.edu/michaelfaleski/PhysicsBowl)

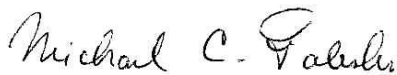


# AAPT PHYSICS BOWL 2017

We had the good fortune of having many wonderful sponsors again this year. We hope to continue our relationship with these companies in the future. One way to ensure that this happens is for teachers to send thank you's to the companies when ordering materials and to use the gift certificates provided. We hope that you use your certificates to help your physics program in the coming years.

Instructors can obtain the scores of their students from the AAPT website and that link will be provided to you in an email from the national office. Please realize that we were able to retrieve some scores that were disqualified for improperly recording the required information, but this was done after-the-fact. If the information was not encoded correctly, the student was immediately disqualified from winning prizes even though we may be able to link that student to your code now. Some students provided no codes, the wrong regions, no name, just a last name, etc. There are a lot of records and we cannot go back and fill in missing information. While it is unfortunate to disqualify anyone, these are the rules of the contest. Sadly, some very high scores were disqualified. If you still are missing a student's score... please email [jlane@aapt.org](mailto:jlane@aapt.org) with student information (CEEB, teacher codes, etc.) and we can try to find the information.

We will, as always, be trying to improve the contest and we look forward to your participation in 2018.



Michael C. Faleski  
PhysicsBowl Academic Coordinator  
Physics Department – Delta College  
University Center, MI 48710  
[michaelfaleski@delta.edu](mailto:michaelfaleski@delta.edu)

**TOP TEN OVERALL DIVISION 1 SCORES: Regions 01 – 14**

<u>#</u>	<u>Reg</u>	<u>Score</u>	<u>Student</u>	<u>School</u>	<u>City</u>	<u>State</u>
1	13	<b>38</b>	LIU, PATRICK Y	SpringLight Education Institute	Cupertino	CA
2	03	<b>36*</b>	LIU, JASON	Stamford Polytechnic at Beacon	Stamford	CT
3	05	<b>36</b>	BIAN, VINCENT W	Poolesville High School	Poolesville	MD
4	13	<b>33*</b>	DING, ANTHONY P	Saratoga High School	Saratoga	CA
5	12	<b>33</b>	CHEON, DOHYUN	North Hollywood High School	North Hollywood	CA
6	04	<b>32*</b>	QI, BENJAMIN	Princeton High School	Princeton	NJ
7	08	<b>32*</b>	BHAT, SUHAAS M	Marshfield High School	Marshfield	WI
8	05	<b>32*</b>	PENG, WILLIAM L	Brown Academy	Great Neck	NY
9	03	<b>32*</b>	FIX, AUSTIN A	Guilford High School	Guilford	CT
10	01	<b>32*</b>	QU, STEVEN	Montgomery Blair High School	Silver Spring	MD

**TOP TEN OVERALL DIVISION 2 SCORES: Regions 01 – 14**

<u>#</u>	<u>Reg</u>	<u>Score</u>	<u>Student</u>	<u>School</u>	<u>City</u>	<u>State</u>
1	13	<b>40</b>	HUANG, JONATHAN J	University HS - Irvine	Irvine	CA
2	03	<b>36</b>	NASH, WILLIAM K	King And Low-Heywood Thomas School	Stamford	CT
3	12	<b>34*</b>	XIE, CHENGXI	Pomona College	Claremont	CA
4	02	<b>34</b>	XU, JACK Y	Ivy Path School	North York	ON
5	03	<b>32</b>	YI, JOO SUNG	Taft School	Watertown	CT
6	02	<b>31*</b>	YE, MING YANG	Bayview Secondary School	Toronto	ON
7	02	<b>31</b>	MO, GEORGE B	Bayview Secondary School	Toronto	ON
8	14	<b>30*</b>	GOEL, GOPAL K	Krishna Home School	Portland	OR
9	11	<b>30</b>	ZHOU, FAN F	William P Clements HS	Sugar Land	TX
10	03	<b>29*</b>	VEDULA, KESHAV	Academy of Aerospace/Engineering	Windsor	CT

\* = place determined by tiebreaker

Note: Ranking for tied scores is based on the tiebreaker rules... scoring from the end of the test to the front.

Note: These students are recognized as “overall” winners and are removed from the regional winners pool.



# AAPT PHYSICS BOWL 2017

## Top Two Highest Scoring *Division 1* Students in each Region

<u>Reg</u>	<u>Score</u>	<u>Student</u>	<u>School</u>	<u>City</u>	<u>State</u>
01	31	DU, ALAN Y	Union County Magnet HS	Scotch Plains	NJ
01	28	QIAN, KEVIN C	Montgomery Blair High School	Silver Spring	MD
02	32	HALIM, HOWARD L	University Of Toronto Schools	Toronto	ON
02	30	TANG, HENRY	Olympiads School	North York	ON
03	32	MEHTA, ANGELA	Stamford Polytechnic at Beacon	Stamford	CT
03	31	HADCHITI, PAUL	Stamford Polytechnic at Beacon	Stamford	CT
04	30	ZHAO, WAYNE	Gauss School of Math & Sci	Bridgewater	NJ
04	27	ZHANG, YUEQI *	Millburn High School	Millburn	NJ
05	31	LI, MATTHEW	Olympiad Academia	New York	NY
05	30*	MO, WENDY Q	Brown Academy	Great Neck	NY
06	25*	HERMAN, LOGAN	North Allegheny Senior HS	Wexford	PA
06	25*	LEE, HEYA	North Allegheny Senior HS	Wexford	PA
07	27	RAGHURAMAN, NIKHIL V	Carmel High School	Carmel	IN
07	25	LIU, PEIZHI	Troy High School	Troy	MI
08	26	WOLSZA, ANNA	Maine South High School	Park Ridge	IL
08	25	KONG, ALBERT	Vernon Hills High School	Vernon Hills	IL
09	28	HU, GEORGE	Northview High School	Johns Creek	GA
09	26	SHU, DANIEL M	Walton High School	Marietta	GA
10	27	SANAT, MEHTA D	Arapahoe High School	Centennial	CO
10	24*	HOWLETT, WILLIAM G	John Burroughs School	Saint Louis	MO
11	27*	LIN, DACHEY *	Plano West Senior High School	Plano	TX
11	27	WANG, ARCHER D	William P Clements HS	Sugar Land	TX
12	28	WANG, FANGCHENG	Diamond Bar High School	Diamond Bar	CA
12	25	ZHU, BRIAN	Palos Verdes Peninsula HS	Palos Verdes Peninsula	CA
13	32	OH, KEVIN J	SpringLight Education Institute	Cupertino	CA
13	29*	MA, ALBERT W	University HS - Irvine	Irvine	CA
14	29	HODAPP, ADAM P	Minnnetonka High School	Minnnetonka	MN
14	27	KIM, JAE W	Korea International School	Seongnam-si	Korea

**Top Two Highest Scoring *Division 2* Students in each Region**

<u>Reg</u>	<u>Score</u>	<u>Student</u>	<u>School</u>	<u>City</u>	<u>State</u>
01	29*	KIM, HYEONGMIN	Bergen County Academies	Hackensack	NJ
01	29	ZHU, DANIEL G	Montgomery Blair High School	Silver Spring	MD
02	28	ZHANG, YUKAI *	Olympiads School	North York	ON
02	26	SUN, LINYIN *	Victoria Park Collegiate Inst.	Toronto	ON
03	27	CALKOSZ, DOMINIC M	Greenwich High School	Greenwich	CT
03	26	AN, SEUNGHWAN *	Taft School	Watertown	CT
04	25	BANSAL, MRIDUL	West Windsor Plainsboro HS N	Plainsboro	NJ
04	24*	CHENG, DANIEL *	West Windsor Plainsboro HS S	Princeton Junction	NJ
05	26	LI, STEPHANIE *	Olympiad Academia	New York	NY
05	25*	RYU, BYEONGYEON *	Olympiad Academia	New York	NY
06	22	SEBRING, BLAKE A	Dallastown Area High School	Dallastown	PA
06	21	NORMAN, KAI *	Pittsburgh Allderdice HS	Pittsburgh	PA
07	26*	THAVAMANI, CHITTESH *	Troy High School	Troy	MI
07	26	WU, TIMOTHY L	ICAE	Troy	MI
08	25	LUCAS, JADEN R	Carbondale Community HS	Carbondale	IL
08	24	PATEL, NIKHIL *	Libertyville High School	Libertyville	IL
09	24	BANNISTER, NATHANIEL J	Suncoast HS	Riviera Beach	FL
09	23*	LIU, ZHENGYANG *	American Heritage School	Plantation	FL
10	24	RUBIN, HARRY *	Clayton High School	St Louis	MO
10	23	YU, CHANG *	Memphis Univ School	Olive Branch	TN
11	29	BALAJI, SHREYAS *	John Foster Dulles High School	Missouri City	TX
11	27	LIU, ANDREW *	John Foster Dulles High School	Missouri City	TX
12	29	CHEN, KEVIN *	The Bishop's School	La Jolla	CA
12	28*	CHEN, JASON	Temple City HS	Temple City	CA
13	29	CHEN, PHIL H	University HS - Irvine	Irvine	CA
13	28	GARG, SWAPNIL *	The Harker School	Boulder Creek	CA
14	23	LIANG, ERICH *	Interlake HS	Seattle	WA
14	22	PIHL, ERIC E	Interlake HS	Seattle	WA

**TOP FIVE OVERALL DIVISION 1 TEAM SCORES: Regions 01 – 14**

<b>#</b>	<b>Reg</b>	<b>Score</b>	<b>School</b>	<b>City</b>	<b>State</b>
1	03	<i>151</i>	Stamford Polytechnic at Beacon	Stamford	CT
2	13	<i>149</i>	SpringLight Education Institute	Cupertino	CA
3	13	<i>139</i>	Saratoga High School	Saratoga	CA
4	05	<i>137</i>	Brown Academy	Great Neck	NY
5	02	<i>129</i>	Olympiads School	North York	ON

**TOP FIVE OVERALL DIVISION 2 TEAM SCORES: Regions 01 – 14**

<b>#</b>	<b>Reg</b>	<b>Score</b>	<b>School</b>	<b>City</b>	<b>State</b>
1	13	<i>139</i>	University HS - Irvine	Irvine	CA
2	01	<i>122*</i>	Thomas Jefferson HS for Science and Tech	Alexandria	VA
3	13	<i>122</i>	The Harker School	Boulder Creek	CA
4	08	<i>114</i>	Libertyville High School	Libertyville	IL
5	01	<i>112</i>	Montgomery Blair High School	Silver Spring	MD

Note: The team tie-break (\*) is that the tie goes to the school with the highest scoring student.

Note: These schools are recognized as “overall” winners for each Division and are removed from that Division’s regional winners pool.

**Top 4 schools in each Region by Division**

The columns are “Rank,” “Score,” “School,” “Location”

Yellow indicates First Place winner

Blue indicates Second Place winner

Green indicates highest scoring non top 2 winner!

Top 5 overall schools are removed from the Regional competition

**REGION 01**

DIV 1				DIV 2			
1	126	Thomas Jefferson HS for Science and Tech	VA	1	103	Bergen County Academies	NJ
2	124	Montgomery Blair High School	MD	2	101	Union County Magnet High School	NJ
3	118*	Union County Magnet High School	NJ	3	97	Stuyvesant High School	NY
4	103*	Stuyvesant High School	NY	4	93	Oklahoma School of Science and Math	OK

**REGION 02**

DIV 1				DIV 2			
1	110	Ay Jackson Secondary School	ON	1	104	Western Canada HS	AB
2	96	Victoria Park Collegiate Institute	ON	2	77	Bayview Secondary School	ON
3	95	New Westminster Secondary School	BC	3	76	Victoria Park Collegiate Institute	ON
4	92	University Of Toronto Schools	ON	4	75*	Westdale Secondary School	ON

**REGION 03**

DIV 1				DIV 2			
1	128	Guilford High School	CT	1	96*	Taft School	CT
2	115	William H. Hall High School	CT	2	96	Greenwich High School	CT
3	108	Middlesex School	MA	3	89	Academy of Aerospace/Engineering	CT
4	103	New Canaan High School	CT	4	83	New Canaan High School	CT

### REGION 04

DIV 1				DIV 2			
1	128	Millburn High School	NJ	1	105	West Windsor - Plainsboro HS South	NJ
2	114	West Windsor - Plainsboro HS South	NJ	2	85*	West Windsor - Plainsboro HS North	NJ
3	113	Princeton High School	NJ	3	85	Millburn High School	NJ
4	112	Manalapan HS	NJ	4	80	Northern Valley Regional HS At Old Tappan	NJ

### REGION 05

DIV 1				DIV 2			
1	127	Great Neck South HS	NY	1	98	Great Neck South HS	NY
2	117	Poolesville HS	MD	2	89	Smithtown HS East	NY
3	114	Manhasset High School	NY	3	83	Marriotts Ridge HS	MD
4	102	Herricks High School	NY	4	82	Herricks High School	NY

### REGION 06

DIV 1				DIV 2			
1	111	North Allegheny Senior High School	PA	1	81	Hawken School	OH
2	108	Pittsburgh Allderdice High School	PA	2	80	Dallastown Area High School	PA
3	100	Hawken School	OH	3	77	Pittsburgh Allderdice High School	PA
4	89	Dallastown Area High School	PA	4	70*	North Allegheny Senior High School	PA

### REGION 07

DIV 1				DIV 2			
1	112	Carmel High School	IN	1	103	Troy High School	MI
2	106	Troy High School	MI	2	99	ICAE	MI
3	104	Detroit Country Day High School	MI	3	92	Carmel High School	IN
4	96	Morgantown High School	WV	4	87	Morgantown High School	WV



**REGION 08**

DIV 1				DIV 2			
1	114	Libertyville High School	IL	1	95	Carbondale Community High School	IL
2	111	Vernon Hills High School	IL	2	87	Adlai Stevenson High School	IL
3	97	Adlai Stevenson High School	IL	3	86	Arrowhead HS	WI
4	95	Maine South High School	IL	4	83	Vernon Hills High School	IL

**REGION 09**

DIV 1				DIV 2			
1	124	Walton High School	GA	1	105	American Heritage School	FL
2	115	Northview High School	GA	2	95	Suncoast HS	FL
3	82	Wando High School	SC	3	91	Northview High School	GA
4	78	Forsyth Central High School	GA	4	74	West Shore Jr-Sr HS	FL

**REGION 10**

DIV 1				DIV 2			
1	99	John Burroughs School	MO	1	92	Clayton High School	MO
2	96	White Station High School	TN	2	86	Memphis Univ School	TN
3	89	Fairview High School	CO	3	71	White Station High School	TN
4	88	Oak Ridge High School	TN	4	65	Oak Ridge High School	TN

**REGION 11**

DIV 1				DIV 2			
1	127	William P Clements High School	TX	1	110	John Foster Dulles High School	TX
2	103	John Foster Dulles High School	TX	2	98	William P Clements High School	TX
3	101	Cistercian Preparatory School	TX	3	92	Martin High School	TX
4	98	Round Rock High School	TX	4	85	Harmony School Of Advancement	TX

### REGION 12

DIV 1				DIV 2			
1	107	Palos Verdes Peninsula High School	CA	1	109	The Bishop's School	CA
2	102	Diamond Bar High School	CA	2	102	San Diego Math Circle @ UCSD	CA
3	100	San Diego Math Circle @ UCSD	CA	3	89	Palos Verdes Peninsula High School	CA
4	98	Arcadia High School	CA	4	87	Arcadia High School	CA

### REGION 13

DIV 1				DIV 2			
1	126	Monta Vista High School	CA	1	85	Valley Christian School	CA
2	125	University HS - Irvine	CA	2	80	Stevenson School	CA
3	118	Foothill College	CA	3	71	Stanford OHS	CA
4	109	JSerra Catholic High School	CA	4	67	BASIS Independent Silicon Valley	CA

### REGION 14

DIV 1				DIV 2			
1	118	Minnetonka High School	MN	1	95	Stillwater Area High School	MN
2	112*	Korea International School	Korea	2	94	Borah High School	ID
3	112	Shorewood High School	WA	3	83	Philippine Science HS - Central Visayas Campus	Philippines
4	97	Edina Center For Academic Excellence	MN	4	76*	Interlake HS	WA