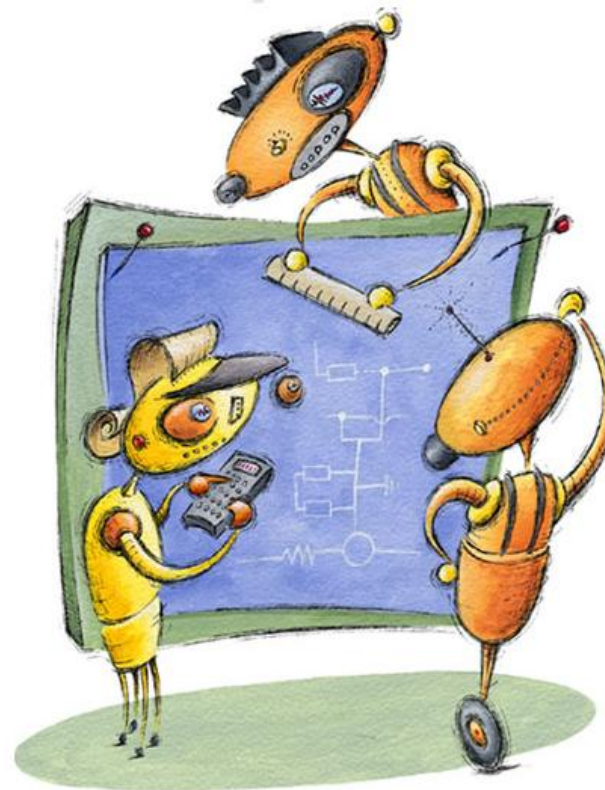


MathWorks is a proud sponsor of the MIT Science Trivia Challenge and wishes the teams good luck!

We support programs that inspire learning and advance education in engineering, science, and math. Our strong commitment to education comes from believing in the power of learning and the ability of engineering, science, and math to find innovative solutions to real-world problems.



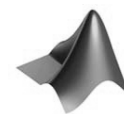
SCIENCE TRIVIA CHALLENGE!



Wednesday, April 23, 2014
Broad Institute of MIT & Harvard

@MITtrivia Live Tweet using #MITtrivia14

Sponsored by



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web.mit.edu/trivia

High School Division	Round	Table
Blue Diamonds	A	1
STEAMing at the Menino	A	2
Merfolk	A	3
CRLS Gentlemen Scientists	A	4
Groton School	A	5
O'Bryant Tigers	A	6
The Return of the Rockstar		
Flamethrower Penguin Fighters	A	7
Naz Nation	A	8
No! We Rule School	B	1
Swampdragons	B	2
CRLS Lady Scientists	B	3
King Philip	B	4
The QuBits	B	5
The Montrose Rare Metals	B	6
The Ogelords	B	7
Hexaflexagon	B	8

Middle School Division	Table
Super Novas	1
Smarticle Particles	2
Nano Know it Alls	3
The Montrose Natural Selections	4
The Picasso 7	5
Artificial Stupidity	6
Westies	7
Madeline English School	8

General Rules

This competition is for fun, so **NO CHEATING!**

No outside references are allowed, including books, cheat sheets, informative t-shirts, computers, handheld devices, etc. Pencils, pens and blank paper are allowed and are provided.

Team members may confer within their team on each question, but neither team members nor audience members are allowed to shout out answers or offer any other distractions while teams are considering questions.

Science Trivia Challenge Committee

COMMITTEE MEMBERS: Bob Ferrara (MIT '67), Co-Chair; John McGoldrick (MIT '73), Co-Chair; Alisha Weight (PhD'13), Co-Chair; Nandi Bugg (MIT'12), Chris Dippel (MIT '75), Orville Dodson (MIT '68), Meghan Jendrysik (MIT '97), Andre Kelly (MIT '00), Bonny Kellermann (MIT '72), Jennifer Lam, Peg LeGendre, Katie Maloney, Jeff Roberts (MIT '02, MCP'03), Alex Rosen (MIT '94), Chris Santos (MIT '74), Brian Saper, Bob Schwartz (MIT '58)

VOLUNTEERS: Adrienne Baker (MIT'81), Catherine Cooper (MIT '00), Ted Korelitz (MIT '56), Suzanne Pan (MIT '85 SM'86), Crystal Ray (MIT'11)

QUESTION CONTRIBUTORS: John Dolhun (MIT '73), Bob Ferrara (MIT '67), Valerie Gordeski (MIT '05), Bob Karash*, John McGoldrick (MIT '73)*, Chris Morse (MIT PhD'98), Erika Nixon, Rich Ott, Jeff Roberts (MIT '02, MCP'03), Alex Rosen (MIT '94)*, Shardule Shah, Dan Smith, Amory Wakefield, Alisha Weight (MIT PhD'13)*, Ariel Weinberg

* These contributors also served as question editors.

Interested in helping next year?

Do you have questions to contribute?

Contact us:

sciencetrivia@mit.edu

or web.mit.edu/trivia

Teams, audience and volunteers please complete our survey by May 1 at

<https://www.surveymonkey.com/s/ScienceTrivia2014>

or use this QR code to access the survey



Like us on facebook to see/add photos from tonight:

<http://www.facebook.com/MITtrivia>

Prizes

All participants receive a Mathworks certificate of participation, a Cambridge Science Festival bag, a signed copy of Walter Lewin's famous photo of him hanging from his pendulum, a pass to the Museum of Science and The Discovery Museums of Acton, MA and a gift from Cell Press.

The **Middle School Division, High School Gold and High School Silver Grand Prize Teams** will each dine with one of our Nobel Laureates. The **High School Silver Division runner-up** team members will each receive a copy of "For the Love of Physics" and two extra tickets each to The Discovery Museums of Action, MA. The **High School Gold Runner-up** team members will each get an MIT sweatshirt from the MIT Coop. The **Middle School Runner-up** team members will each get an MIT sweatshirt from the MIT Coop.

Thank you to our Nobel Laureates & additional prize sponsors!



Jerome Friedman

MIT Professor of Physics

1990 Nobel Prize Winner "For their pioneering investigations concerning deep inelastic scattering of electrons on protons and bound neutrons, which have been of essential importance for the development of the quark model in particle physics"



Wolfgang Ketterle

MIT Professor of Physics

2001 Nobel Prize Winner "For the achievement of Bose-Einstein condensation in dilute gases of alkali atoms, and for early fundamental studies of the properties of the condensates"



Richard Royce Schrock

MIT Professor of Chemistry

2005 Nobel Prize Winner

"For the development of the metathesis method in organic synthesis"

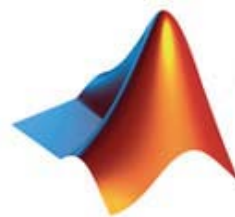
Museum of Science, Boston, MA
The Discovery Museums of Acton, MA
The MIT COOP
Cell Press

SCIENCE TRIVIA CHALLENGE!

Schedule of Events

6:00 PM - 6:05 PM	Welcome
6:05 PM - 6:30 PM	High School Preliminary Round A
6:30 PM - 6:55 PM	High School Preliminary Round B
6:55 PM - 7:00 PM	Intermission
7:00 PM - 7:05 PM	A Word from our Sponsor, Mathworks
7:05 PM - 7:50 PM	Middle School Division
7:50 PM - 7:55 PM	Intermission
7:55 PM - 8:20 PM	High School Silver Division Final
8:20 PM - 8:45 PM	High School Gold Division Final
8:45 PM - 9:00 PM	Awards Ceremony

Tell us what you think! Complete the STC survey by May 1
<https://www.surveymonkey.com/s/ScienceTrivia2014>



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ROUNDS

- Questions are either multiple choice or require a specific short-answer. Some questions have multiple parts.
- Each team will have a scorekeeper standing nearby. Before each question is read, the scorekeeper will hand each team its answer sheet for that question.
- After the moderator finishes reading the question, each team will have 30-60 seconds to enter an answer in the appropriate space on their answer sheet AND HAND THE SHEET BACK TO THE SCOREKEEPER. Once the answer sheet has been handed to the scorekeeper, that answer is considered final.
- The moderator will call "TIME" when the answer must be turned in.
- After time has expired, the moderator will read the correct answer to the question and the scorekeeper will award points based on whether a team's answer is correct or incorrect.
- At the end of each round, the answer sheets are submitted to the head scorekeeper for final point tabulation.

High School DIVISION

- All High School Division teams will compete in a Preliminary Round and a Final Round.
- The higher-scoring teams from each Preliminary Round will meet in the High School Gold Division Final. The remaining teams will meet in the High School Silver Division Final.
- The winners of each Final Round (Gold & Silver) will each win a grand prize.
- Teams may substitute members between the Preliminary Round and Final Round. HOWEVER, NO CONTESTANT MAY COMPETE ON MORE THAN ONE HIGH SCHOOL TEAM THROUGHOUT THE COMPETITION.

Middle School DIVISION

- All of the teams will compete at the same time in a single 15 question tournament.
- The highest point scoring team will win a grand prize.

Our Moderator, Prof. Walter Lewin

We are thrilled that MIT Professor Walter Lewin is returning for his fifth year as our Moderator for the Science Trivia Challenge. A native of The Netherlands, Professor Lewin received his Ph.D. in Physics from the University of Delft (1965). He joined the MIT physics faculty in 1966. He achieved celebrity status after a front page story on him appeared in *The New York Times* (12.19.07). The piece, which examined the popularity of his free online lectures ([http://ocw.mit.edu – search Lewin](http://ocw.mit.edu-search/Lewin)), led to features about him on the CBS Evening News, *The Boston Globe*, *Forbes* and the *Guardian*. He was named in "The Best 300 Professors: From the #1 Professor Rating Site, RateMyProfessors.com (College Admissions Guides)".



His highly acclaimed memoir, "For the Love of Physics: From the End of the Rainbow to the Edge of Time – A Journey through the Wonders of Physics", was published in 2011 and is now available in paperback.