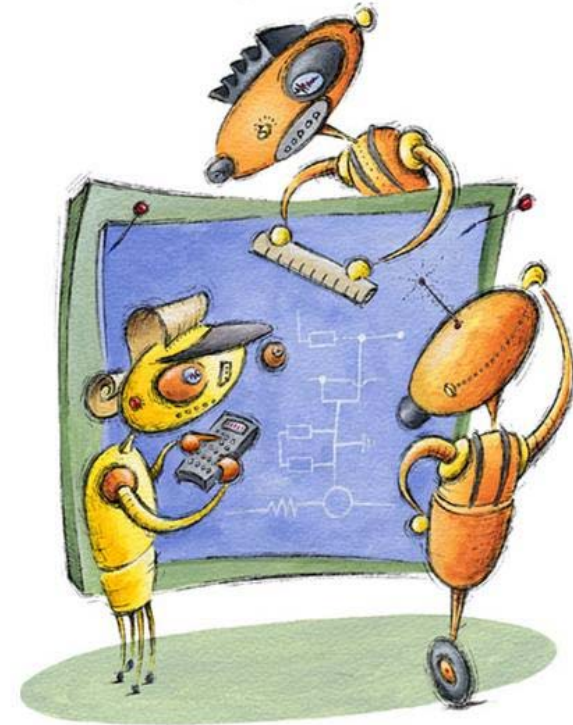




MathWorks is a proud sponsor of the MIT Science Trivia Challenge and wishes the teams good luck!



SCIENCE TRIVIA CHALLENGE!



Wednesday, April 19, 2017
Broad Institute of MIT & Harvard

Sponsored By:



MathWorks



 web.mit.edu/trivia

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High School Division - Round A

		Table
The Natural Selectors	Commonwealth School	1
The Montrose Rare Metals	Montrose School	2
MVRCS STEM TEAM A	STEM CLUB- MVRCS	3
The Potassium Phosphides	King Philip Regional High School	4
Her Deepness Sylvia Earle	Newton South High School	5
AMSA	AMSA	6
The Brainy Bunch	BCYF Menino Community Center	7
$C_7H_8N_4O_2 > \pi$	North Andover High School	8
The Sly Shrews	Shrewsbury High School	9

High School Division - Round B

The Trash	Commonwealth School	1
The Montrose Natural Selections	Montrose School	2
MVRCS STEM TEAM B	STEM CLUB- MVRCS	3
Matignon High School	Matignon High School	4
The Euclidian Eagles	Acton-Boxborough	5
CRLS Science Team	Cambridge Rindge and Latin School	6
Warriors	Andover High School	7
Boston Latin School	Boston Latin School	8
The Fish	Newton South High School	9

Middle School Division

The Smarticle Particles	King Philip Middle School	1
The Science Guys	Madeline English School	2
The Pascalian Rascals	Acton-Boxborough	3
John Pierce School	John Pierce School, Brookline	4
E=MC Hammer	R.J. Grey Junior High School	5
#ForScience!	Wright Science & Technology Academy	6
Curious Keen	Curious Science & Learning	7
Science For Fun	Science For Fun Club	8
The Fig Neutrons	Northborough	9

General Rules

- This competition is for fun, so NO CHEATING!
- No outside references (books, cheat sheets, informative t-shirts, computers, handheld devices, etc.) are allowed. Pencils and paper will be 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.



Thanks to all of our volunteers!

COMMITTEE CO-CHAIRS: Bob Ferrara (MIT '67), Meghan Jendrysik (MIT '97), Bonny Kellermann (MIT '72), John McGoldrick (MIT '73), Alisha Weight (MIT '13)

COMMITTEE MEMBERS & VOLUNTEERS: Adrienne Baker (MIT '81), Laura Bergemann (MIT '19), David Bragdon (MIT '62), Karl Critz (MIT '96, SM '97, SM '12), Catherine Cooper (MIT '00), Chris Dippel (MIT '75), Orville Dodson (MIT '68), Ngozi Eze (MIT '05), Rachel Gesserman, Andre Kelly (MIT '00), Jacky McGoldrick, Jennifer Lam, Peg LeGendre, Crystal Ray (MIT '04), Chris Santos (MIT '74), Brian Saper, Karen Seo (MIT '75, SM '78), Megan Snyder

QUESTION CONTRIBUTORS: Chris Dippel* (MIT '75), Ngozi Eze* (MIT '05), Bob Karash, Jacky McGoldrick, John McGoldrick* (MIT '73), Jeff Roberts (MIT '02), Alex Rosen (MIT '94), Chris Santos* (MIT '74), Karen Seo* (MIT '75, SM '78), Megan Snyder*, Alisha Weight* (MIT '13)

*These contributors also served as question editors.

Interested in helping next year?
Do you have questions to contribute?

Contact us at:
sciencetrivia@mit.edu
or web.mit.edu/trivia

Like us on Facebook to see/add photos from tonight at
<http://www.facebook.com/MITtrivia>

Prizes

Thank you for participating! Everyone here is a winner. **All participants** receive a certificate of participation from Mathworks, a Cambridge Science Festival bag, a gift from Cell Press, and one pass each for the Museum of Science, The Discovery Museums of Acton, MA and The MIT Museum. **Middle School and High School Gold Runner-Up** team members will each receive an MIT sweatshirt from the MIT Coop. **High School Silver Runner-up** team members will each receive a T-shirt from the Broad Institute. All **winning** teams will dine with one of our Nobel Laureates.

Thank you to our Nobel Laureates!



Jerome Friedman, MIT Professor of Physics
1990 Nobel Prize Winner "For 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"

Thank you to our Prize Sponsors!

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

SCIENCE TRIVIA CHALLENGE!

5:00 PM - 6:00 PM	Registration & Meet the Scientists
6:00 PM - 6:05 PM	Welcome
6:05 PM - 6:25 PM	High School Round A
6:25 PM - 6:45 PM	High School Round B
6:45 PM - 7:00 PM	Intermission
7:00PM - 7:05 PM	A Word from our Sponsor, Mathworks
7:05 PM - 7:45 PM	Middle School Round
7:45 PM – 8:00 PM	Intermission
8:00 PM - 8:20 PM	High School Silver Final Round
8:20 PM - 8:40 PM	High School Gold Final Round
8:40 PM - 9:00 PM	Awards and Closing Ceremony



Our Moderator

Ed Moriarty

Ed Moriarty wandered into MIT as a freshman in 1971. Since then he has held positions with many Labs, Centers, and Departments including The Energy Laboratory, Project Athena, Electrical Engineering and Computer Science, and the School of Humanities, Arts, and Social Sciences. In 2000 he joined the Edgerton Center as an instructor where he has taught an Electronics Laboratory, a Mechanical Engineering design class, and a seminar entitled “Engineering, Art, and Science.” He supports a dozen MIT student teams that take part in local, national and international engineering endeavors, and has created a wide range of STEAM outreach programs ranging from winter visits to small Athabaskan villages in Alaska’s bush to large engineering competitions in Beijing. At MIT he started “The Saturday Thing” where young and old come to design, build, tinker, and talk in a very supportive, minimally structured environment. He runs a summer “Engineering Design Workshop” for local high school students, and has designed and continues to participate in the “Engineering Pathway” at the John D. O’Bryant School of Math and Science in Boston. With three of his old MIT classmates he still sings in the “Backlogs Quartet”.



Meet the Scientists!



Mudra Hegde
Computational Biologist
Genetic Perturbation Platform



Theresa Oei
Research Associate
Zhang Lab



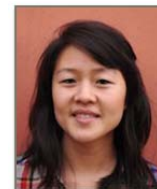
Amanda Walker
Research Associate
Cancer Program



Andrea Ekey
Associate Computational Biologist
Cancer Program



Katherine Walsh, PhD
Research Scientist
Cancer Program



Jenny Chen
Graduate Student
Regev Lab