

2nd Annual Lexington Science Bowl

Event Packet

lexscibowl

**The student-run middle school
science bowl and olympiad**

Saturday, April 2, 2016

lexscibowl.org

Hello students, parents, and coaches of LexSciBowl!

April 2, 2016

Welcome and thanks for coming! We are so excited to introduce the second year of our competition. We are thrilled to see you all here to compete, and we hope you'll have an awesome time!

Why are we doing this? Our team is composed of members of Lexington High School Science Bowl, Ocean Science Bowl, and Science Olympiad teams, three consistently nationally successful teams. We all love science, and our goal is to foster the same passion for science in younger students.

First, we believe that science always can be awesome and fun. Science Bowl is a competition like no other, and the exhilarating speed and competitive atmosphere can for some be a very motivating factor in their future pursuits. Whether or not fierce competition is your thing, we hope the breadth of knowledge we cover gives you an amazing view of science far beyond classroom basics.

Second, we believe that anyone can do science. LexSciBowl draws inspiration from both the National Science Bowl and the International Science Olympiads, both extraordinary high school competitions that are difficult to get into at the middle school level. LexSciBowl exists because we don't think you need so many years of experience to do this kind of competition.

Finally, and perhaps most importantly, we believe that science is a team and community endeavor. We love being a team and being able to build off of each other's immense knowledge. Our competition is designed around that idea by making teams work together all day. Along the same lines, one of the best parts of a gathering of great minds like this is being able to talk to the other amazingly bright middle schoolers out there. Try it!

So, whether you win anything or not, today's going to be a great day, filled with scientific knowledge and scientific people. We hope you enjoy competing in LexSciBowl as much as we enjoy running it, and that you will gain a little bit more understanding of science, for all of its knowledge, thrill, openness, and community.

Best,

The LexSciBowl Team

Clive Chan

Bharat Srirangam

Andrew Wang

Aiyappa Kodendera

Roshan Padaki

Karen Zhou

Catherine Wang

Jason DiMasi

Vivek Bhupatiraju

Snigdha Allaparthi

Faculty Advisors

Nicholas Gould

Janice Compton

Schedule

The Science Lecture Hall (SLH) is where all ceremonies and announcements will be held.

7 rooms in addition to the SLH will be used for Lightning rounds: 313, 315, 319, 321, 325, 414, 416. Additionally, LexSciBowl Headquarters (HQ) is in room 303.

Time	Event	Location
8:00 - 8:30	Check in	Outside SLH
8:40 - 8:50	Opening Ceremony	SLH
9:00 - 10:00	Olympiad Round <i>A team written test in five subjects to test depth of knowledge.</i>	SLH, Classrooms
10:05-10:25	Lightning Round Explanation & Demo & Q/A	SLH
10:30 - 12:00	Lightning Round: Round Robin <i>An exciting buzzer-based knowledge recall competition.</i>	SLH, Classrooms
12:00 - 1:15	Lunch Break <i>Take a break! Buy pizza, walk to a restaurant, or bring lunch.</i>	Hallways, SLH, outside
1:15 - 3:00	Lightning Afternoon Tournament <i>This time, competing for a place in the finals.</i>	Classrooms
3:15 - 3:45	Lightning Round Finals <i>The two best teams pitted against each other for all to see!</i>	SLH
4:00 - 4:30	Awards Ceremony & Closing	SLH

Competition Rules

This competition is composed of two types of competition: the Olympiad Round and the Lightning Round. Calculators, and other electronic devices are neither permitted during competition nor needed to compete.

Olympiad Round

- A fairly straightforward 60 minute written competition taken in teams.
- The test is divided into 5 categories: Earth/Space Science, Biology, Chemistry, Physics, and Math. Any team members can work on any subjects at any time.
- Each category will have 100 points' worth of questions, with all question point values indicated.
- Teams are not expected to be able to finish all questions within the allotted time period.

Lightning Round

- A series of 16 minute buzzer rounds split into 8-minute halves. Each team has 4 team members competing at any given time, and substitutions may be made at the half.
- Each round will feature one team against another, and will have questions in five categories: Earth and Space Science, Biology, Chemistry, Physics, and Math.
- Each question has a Toss-Up portion and if a team gets that correct, they get a Bonus question.

Toss-Up Questions

- A toss-up question may be answered by any of the members of either team, but conferring between team members is not allowed. Competitors have 7 seconds after the moderator finishes reading to work on the question and buzz in.
- Questions must be answered in verbal form reasonably matching the given answer. Multiple choice questions may alternatively be answered by the letter choice (W, X, Y or Z). Wait to be recognized by the reader before answering.
- Four points are awarded if the answer given is correct.
- If an answer is incorrect, the team may not answer again on the question. The question is given exclusively to the other team for another 7 seconds.
- Competitors may also buzz in before a moderator finishes reading. However, if this interrupt answer is incorrect, 4 penalty points are awarded to the opposing team, the question is reread in full, and the opposing team again has the exclusive opportunity to answer the question.

Bonus Questions

- When a toss-up question is answered correctly, their team is awarded a bonus question. Teams have 20 seconds work together on bonuses after the moderator finishes reading the question.
- The other team must remain quiet while the opposing team hears and answers the question.
- The team captain must be the one to give the answer.
- Ten points are awarded if the answer is correct.
- If a team member thinks the question is wrong, they may say the word "challenge" and explain why; all challenges will be submitted to HQ and handled there.

LexSciBowl Staff

Senior Coordinators

Andrew Wang
Clive Chan
Bharat Srirangam
Aiyappa Kodendera

Junior Coordinators

Karen Zhou
Catherine Wang
Jason DiMasi
Vivek Bhupatiraju
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Roshan Padaki

Faculty Advisors

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Janice Compton

Question Writers and Event Volunteers

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Yiming Zheng
Joanne Wang

Special thanks to the the LHS Science Bowl Team, the LHS Ocean Science Bowl Team, LHS Latin Certamen, The Quiz Bowl Team, and Afareen Jaleel for buzzer system lending, and to the Lexington High School administration for its support of all student-run initiatives!

Food

Drinks and Snacks will be sold outside the Science Lecture Hall throughout the competition. Proceeds go to pay off our costs!

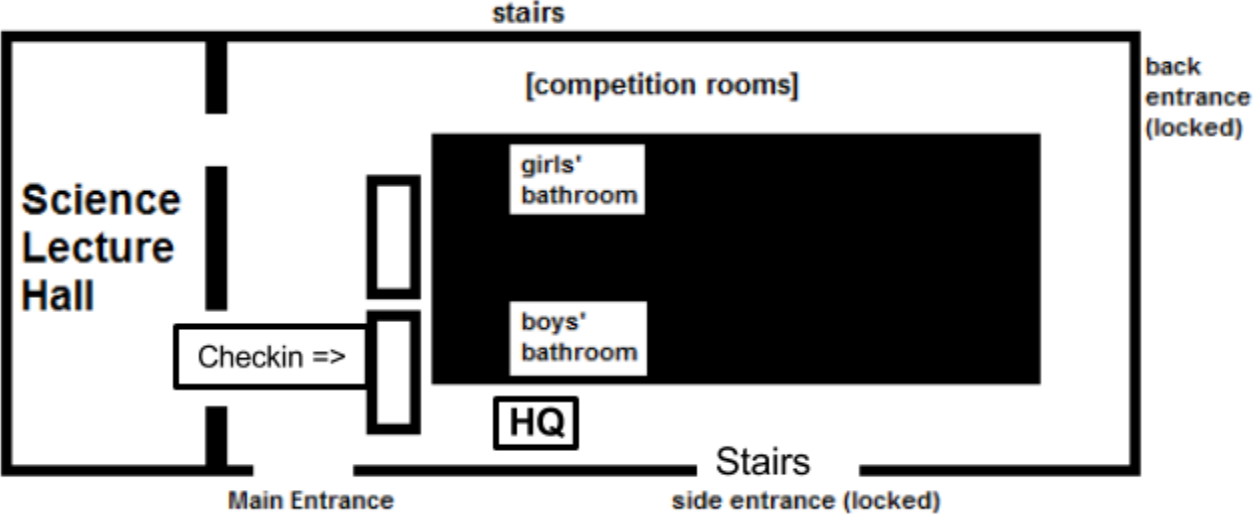
There are three options for lunch:

- Pizza. If you pre-ordered your pizza(s) during registration, please pay \$8 per cheese pizza or \$10 per pepperoni pizza at check-in. A limited number of non-preorder pizzas will also be available, at a higher price of \$10 per pizza (15 for pepperoni, or \$2 per slice (a 2 slices for \$3 deal will be offered).
- For restaurants, see the below table for a number of locations located within walking distance of the school.
- And, of course, you can always just bring lunch yourself.

Restaurant	Location
Royal Indian Bistro (Indian)	7 Meriam St, Lexington, MA 02420
Mario's (Italian)	1733 Massachusetts Ave, Lexington, MA 02420
Via Lago (Sandwiches, Soups, etc.)	1845 Massachusetts Ave, Lexington, MA 02420
Lemon Grass (Thai)	1710 Massachusetts Ave, Lexington, MA 02420
Ruyi (Chinese)	27 Waltham St, Lexington, MA 02421
Bertucci's (Pizza, Italian)	1777 Massachusetts Ave, Lexington, MA 02420
Yangtze River (Chinese)	25 Depot Square, Lexington, MA 02420
Avenue Deli (Sandwiches)	1806 Massachusetts Ave, Lexington, MA 02420
The Upper Crust Pizzeria (Pizza)	41 Waltham St, Lexington, MA 02421
Dabin (Korean)	10 Muzzey St, Lexington, MA 02421
Panera Bread (Sandwiches, Soups, etc.)	1684 Massachusetts Ave, Lexington, MA 02420

Science Lecture Hall Map

First Floor:



Second Floor:

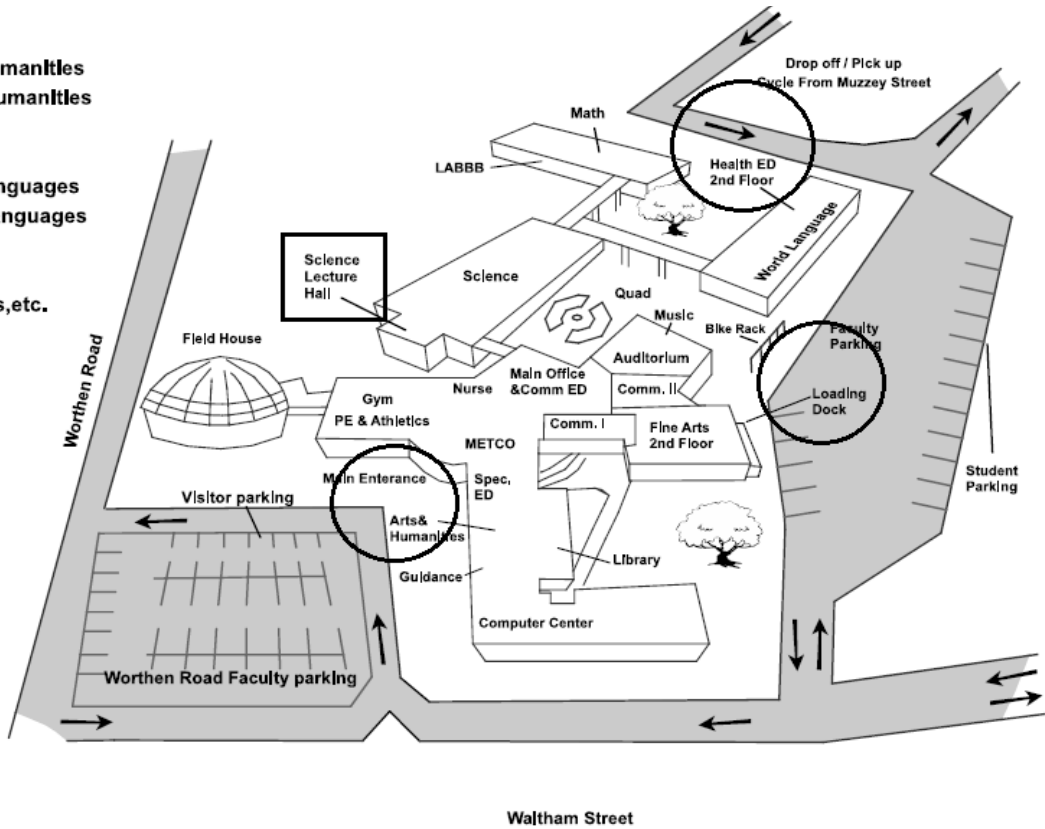


Campus Map Lexington High School, 251 Waltham St., Lexington, MA 02421

We will be using the Science Lecture Hall, in the rectangle, and the surrounding classrooms in the Science building. All three entrances are circled. For those parking for the day, the parking lot to the right is preferred.

Room #'s

- 100s : 1st floor Arts & Humanities
 - 200s : 2nd floor Arts & Humanities
 - 300s : 1st floor Science
 - 400s : 2nd floor Science
 - 500s : 1st floor World Languages
 - 600s : 2nd floor World Languages
 - 700s : 1st floor Math
 - 800s : 2nd floor Math
 - 900s : Gym, locker rooms, etc.
- 9/10/13



Olympiad Round Room Assignments

MORNING -- OLYMPIAD WRITTEN EXAM

Team Name	Location
LCA Lions	SLH
LOCKEHEADS	SLH
Lockebrainiaks	SLH
Clarke A	SLH
Clarke B	SLH
AMSA	SLH
f(x) men	313
Clarke C	313
Clarke D	315
Veni Vidi Vici	315
Little Einsteins	319
Stimuli Interpreters	319
Carbon Based	321
ASD-SciFi	321
Cooler Than Absolute Zero	325
Epsilon	325

Lightning Round Room Assignments

MORNING -- ROUND ROBIN

	RoundRobin 1		RoundRobin 2	
Room #	SLH	325	321	315
Round 1 10:30 - 11:00	Clarke A Carbon Based	Veni Vidi Vici ASD-SciFi	Clarke B Lockebrainiaks	Clarke D Stimuli Interpreters
Round 2 11:00 - 11:30	Clarke A Veni Vidi Vici	Carbon Based ASD-SciFi	Clarke B Clarke D	Lockebrainiaks Stimuli Interpreters
Round 3 11:30 - 12:00	Clarke A ASD-SciFi	Veni Vidi Vici Carbon Based	Clarke D Lockebrainiaks	Clarke B Stimuli Interpreters

	RoundRobin 3		RoundRobin 4	
Room #	319	313	414	416
Round 1 10:30 - 11:00	Clarke C Little Einsteins	LCA Lions Epsilon	AMSA f(x) men	LOCKEHEADS Cooler Than Absolute Zero
Round 2 11:00 - 11:30	Little Einsteins Epsilon	Clarke C LCA Lions	LOCKEHEADS f(x) men	AMSA Cooler Than Absolute Zero
Round 3 11:30 - 12:00	LCA Lions Little Einsteins	Clarke C Epsilon	AMSA LOCKEHEADS	f(x) men Cooler Than Absolute Zero

AFTERNOON -- SINGLE-ELIMINATION TOURNAMENT

Team Seed: _____ <- Write down your team seeding!

If your team gets knocked out, don't fret! We will continue to hold rounds in classrooms that are not being used. Room Assignments during eliminations will be posted as the competition progresses.

AFTERNOON TOURNAMENT

