

2014 Cincinnati Regional Science Bowl



Celebrate Infinite Variety of Sciences!

Cincinnati State Technical and Community College

February 22, 2014



Welcome to the Twenty-Third Annual Greater Cincinnati Regional Science Bowl!

The Environmental Management Consolidated Business Center (EMCBC) is excited again this year to host the 23rd Annual Greater Cincinnati Regional Science Bowl. For the past 23 years, the Department has hosted the Cincinnati area regional competition for high school students from Ohio and Kentucky. Improvements in mathematics, science, technology, and engineering education are needed to provide the trained and educated citizenry essential to the future competitiveness of the United States. The future health and vitality of the economy of the United States is predicated on the availability of an adequate supply of scientists, mathematicians, and engineers to provide for growing needs, by replenishing the workforce with advanced science and math skills among America's youth. We are pleased to engage young people by testing their knowledge in science and math, recognizing the best and the brightest students gathering to compete in the Greater Cincinnati area.

The EMCBC serves as a central clearinghouse for a wide range of activities supporting the Department of Energy's (DOE) national environmental cleanup efforts. As the Acting Director of the EMCBC, I am committed to the Department's national outreach programs and improving education in science and math to generate future scientists, engineers, innovators, and explorers within the Greater Cincinnati area who will enhance the Department of Energy's mission in the near future.

I would like to express my sincere gratitude for the many acts of volunteerism which make this year's Greater Cincinnati Regional Science Bowl a success that includes teachers, students, scientists, mathematicians, engineers and volunteers throughout the Greater Cincinnati area. I applaud your participation in this exciting and rewarding competition and encourage each of you to continue pursuing your education.

Thank you for participating, good luck in the competition, and enjoy your day.

A handwritten signature in black ink, appearing to read "Ralph E. Holland".

Ralph E. Holland
Acting Director

2014 Science Bowl Team Participants

Badin

Philip Reamy
Andy Gray
Trevor Kibby
Carli Scalf
Claire Schuster
Nathan Wolpert

Beavercreek

Kristine McDaniel
Vignasiddh Erukonda
Emily Kim
Andrew Galbraith
Dennis Li
Ryan McDaniel

Team B:

Manas Nair
Walter Rzecznik
Don Hoang
Emma Buck
Waseem Naboulsi

Bishop Hartley

Ann Hawk
Josh Deslich
Andrew Nouanesengsy
Katie Elliott
Akasya DiNapoli
Rachel McFadden

Team B:

Ivra Bass
Charlie Collins
John Collins
Marty Gillies
Sam Agra

Centerville

Penny Manfredi
Akshay Balwally
Nikhil Nambiar
Brian Quigley
Shivam Sarodia
Andrew Wang

Team B: (Centerville)

Puneet Modgil
Abhijeet Mulgund
Rosie Ries
Kaarthika Thakker
Heather Wang

Team C:

Matthew Brockman
Amol Gandhi
Ayush Peddireddi
Vijay Shah
Matthew Stuve

Cincinnati Country Day

Jonathan Franzosa
Julian Braxton
Jack Findley
Grant Swinton
Soham Basu
Pranav Madabhushi

Team B:

Akshay Sonti
Charlie Sukin
Trisha Atluri
Maggie Bernish

Dublin Scioto

Roger Rabold
Arjun Venkataraman
Mahesh Dhulipala
Krish Nair
Kohtaro Yamakawa
Harshil Amin

duPont Manual

Craig DaRif
Alice Liu
Yue Zhang
Bryan Zhu
Allen Jiang

Team B: (duPont Manual)

Nigel Edwards
Praharshasai Paladuga
Yidi Huang
Praneeth Goli

Kings

Ashley Warren
Annie Orr
Luke Danko
Matt Tracey
Daniel Woodall
Nick Wright

Team B:

Grace Reinders
Brianna Gray
Elliott Waissblush
Rachel Lehn
Shannon Saluga

Lima Central Catholic

High School

Gregory Byrum
Darrell Allman
Samantha Stallkamp
Jessica Armstrong
Jaegar Schlumpberger
Elizabeth McNamara

Northwest

Eryn Ruder
Amanda Huy
Mackenzie Luensman
Alex Bungabong
Justin Bergquist
Sarah Mayer

Oakstone Academy

Kimberly Kelly
Neal Ables
Mohamed Bah
Shelby Elzinga
Taran Snyder
Elijah Williamson

Team B: (Oakstone)

Lesley Dewees
Kayla Green
James Hain
Perry LeNoir
Troy Stephens
Marc Wilson

Paul Laurence Dunbar

Susan Magedanz
Valerie Sarge
Ryan Blood
Joseph Schneider
John Stokes
Chloe Cao

Team B:

Adil Yusuf
Thirushan Wigna Kumar
Joanna Slusarewicz
Shaoyi Sheng

River View

Debbie Ambrose
Charlie Holmes
Sarah Holmes
Abigail Ambrose
Elizabeth Lozowski
Rachel Lozowski

Sycamore

Mary Palmer
Nicolas Hershey
Nimit Desai
Jacob Wang
Bryan Waterhouse
Quincy Huchison

Team B:

Rajat Bhageria
Brandon Peck
Josh Peck
Brennon Shanks
Divyesh Balamurali

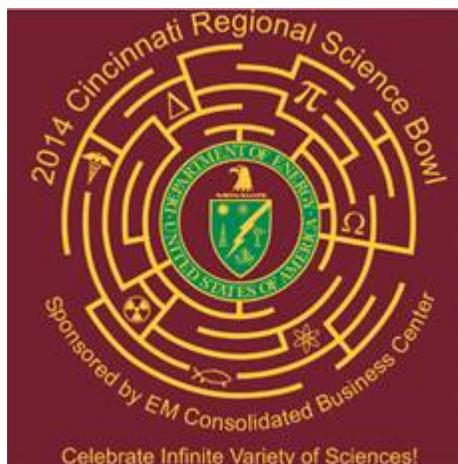
AGENDA

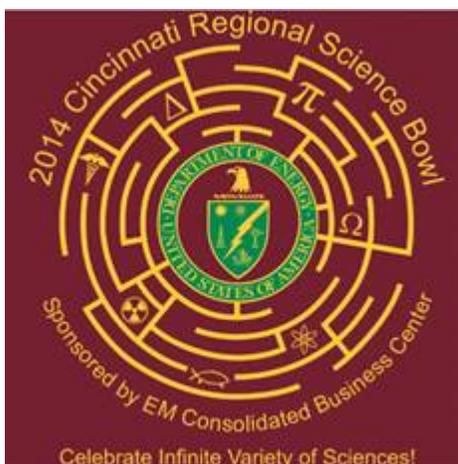
2014 Twenty-Third Annual Greater Cincinnati Regional Science Bowl “Celebrate Infinite Varieties Of Science”

8:00 – 8:30 AM	.....	Coaches Registration - Room 356
8:30 AM	.....	Welcome – The Conference Center
9:00 AM	.....	Round Robin- Round #1
9:35 AM	.....	Round Robin- Round #2
10:10 AM	.....	Round Robin- Round #3
10:45 AM	.....	Round Robin- Round #4
11:15AM	.....	Round Robin- Round #5
11:45 AM	.....	Round Robin- Round #6
12:15 AM	.....	Round Robin- Round #7
12:45 AM	.....	Tie Breaks - If Necessary

11:15 AM to 12:30 PM **Lunch –**

1:00 PM	.....	Double Elimination- Round #8
1:30 PM	.....	Double Elimination- Round #9
2:00	.....	Double Elimination- Round #10
2:30	.....	Double Elimination- Round #11
3:00	.....	Double Elimination- Round #12
3:30	.....	Double Elimination- Round #13
4:00	.....	Double Elimination- Round #14
4:30	.....	Presentation of Awards





Eligibility

The 2014 Greater Cincinnati Regional Science Bowl competition is open to teams of high school students in Ohio and certain Counties in Kentucky. See the following website for specific counties in Kentucky:

<http://science.energy.gov/wdts/nsb/high-school/high-school-regionals/ohio-regions/greater-cincinnati-regional-high-school-science-bowl>

The competition will consist of oral question and answer rounds in which one four-person high school team will attempt to outscore another high school team. The winning team will proceed to the next level in the competition until only one team remains. Questions will be presented in toss-up - bonus format. Questions will be taken from the fields of:

- **Biology**
- **Chemistry**
- **Earth and Space Science**
- **Energy**
- **Physics**
- **Mathematics**

SPONSORED BY

Environmental Management Consolidated Business Center, DOE

2014 Greater Cincinnati Regional Science Bowl Prizes

The First Place Team, alternate, and coach will receive an all expense-paid trip (travel, hotel, accommodations and arranged activities) to compete in the National Science Bowl in Washington D.C., a Championship banner, a Greater Cincinnati Regional Science Bowl Championship trophy to display at their school for a year, a 7 x 9 Woodcote team plaque with brass medallion, and custom engraved brass medallion medals with a Science Shield for each team member. The winning team will also receive a 24 x 36 signed Science Bowl logo poster.

The Second Place Team, alternate, and coach will receive a 5 x 7 Woodcote team plaque with silver medallion, and custom engraved silver medallion medals with a Science shield for each team member. The second place team will also receive a 24 x 36 Science Bowl logo poster.

The Third Place Team, alternate, and coach will each receive a 5 x 7 Woodcote team Plaque with bronze medallion, and custom engraved bronze medallion medals with a Science shield for each team member.

All participants will receive:

- Science Bowl T-shirt
- Science Bowl Nylon Bag
- Regional Certificate of Participation
- Regional Lava Keychain
- National Science Bowl Posters, Brochures
- Cincinnati State Brochures, Pens, and Eco-Friendly Notepad

2014 DOE NATIONAL SCIENCE BOWL GRAND PRIZES

The team members that receive the DOE Science Bowl Civility Award will receive amazon.com gift cards.

Each team that reaches the double elimination phase of the competition will receive \$1,000 for their school's science department.

The top 4 teams will each receive a trophy.

The top two teams will win a scientific research trip to either Alaska or Yellowstone National Park.

* National Science Bowl Prizes and Awards vary year to year.

2014 Greater Cincinnati Regional Science Bowl

Uranium Division

ROUND	TEAMS	ROOM	TEAMS	ROOM	TEAMS	ROOM
1 9:00 a.m.	1 vs. 2	A - 353	3 vs. 4	B - 355	5 vs. 6	C - 357
2 9:35 a.m.	NO	GAMES	NO	GAMES	NO	GAMES
3 10:10 a.m.	1 vs. 4	D - 358	3 vs. 5	E - 362	2 vs. 6	F - 364
4 10:45 a.m.	1 vs. 5	A - 353	2 vs. 4	B - 355	3 vs. 6	C - 357
5 11:15 a.m.	4 vs. 5	A - 353	2 vs. 3	B - 355	1 vs. 6	C - 357
6 11:45 a.m.	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
7 12:15 p.m.	1 vs. 3	A - 353-	2 vs. 5	B - 355	4 vs. 6	C - 357
12:45 p.m.	TIEBREAKS	IF	NECESSARY	TIEBREAKS	IF	NECESSARY

2014 Greater Cincinnati Regional Science Bowl

Uranium Division Score Sheet

TEAM	1	2	3	4	5	6	TOTAL POINTS
1 Paul Laurence Dunbar A							
2							
3							
4							
5							
6							

2014 Greater Cincinnati Regional Science Bowl

Protactinium Division

ROUND	TEAMS	ROOM	TEAMS	ROOM	TEAMS	ROOM
1 9:00 a.m.	1 vs. 2	D – 358	3 vs. 4	E – 362	5 vs. 6	F – 364
2 9:35 a.m.	1 vs. 3	A – 353	2 vs. 5	B – 355	4 vs. 6	C – 357
3 10:10 a.m.	NO	GAMES	NO	GAMES	NO	GAMES
4 10:45 a.m.	1 vs. 5	D – 358	2 vs. 4	E – 362	3 vs. 6	F – 364
5 11:15 a.m.	4 vs. 5	D – 358	2 vs. 3	E – 362	1 vs. 6	F 364
6 11:45 a.m.	1 vs. 4	A – 353	3 vs. 5	B – 355	2 vs. 6	C – 357
7 12:15 p.m.	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
12:45 p.m.	TIEBREAKS	IF	NECESSARY	TIEBREAKS	IF	NECESSARY

2014 Greater Cincinnati Regional Science Bowl

Protactinium Division Score Sheet

TEAM	1	2	3	4	5	6	TOTAL POINTS
1 Centerville A							
2							
3							
4							
5							
6							

2014 Greater Cincinnati Regional Science Bowl

Thorium Division

ROUND	TEAMS	ROOM	TEAMS	ROOM	TEAMS	ROOM
1 9:00 a.m.	NO	GAMES	NO	GAMES	NO	GAMES
2 9:35 a.m.	1 VS 3	D – 358	2 VS 5	E – 362	4 VS 6	F – 364
3 10:10 a.m.	1 VS 4	A – 353	3 VS 5	B – 355	2 VS 6	C – 357
4 10:45 a.m.	1 VS 5	G – 367	2 VS 4	H – 370	3 VS 6	I – 372
5 11:15 a.m.	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
6 11:45 a.m.	1 VS 2	D – 358	3 VS 4	E – 362	5 VS 6	F – 364
7 12:15 p.m.	4 VS 5	D – 358	2 VS 3	E – 362	1 VS 6	F - 364
12:45 p.m.	TIEBREAKS	IF	NECESSARY	TIEBREAKS	IF	NECESSARY

2014 Greater Cincinnati Regional Science Bowl

Thorium Division Score Sheet

TEAM	1	2	3	4	5	6	TOTAL POINTS
1 Sycamore A							
2							
3							
4							
5							
6							

2014 Greater Cincinnati Regional Science Bowl

Radium Division

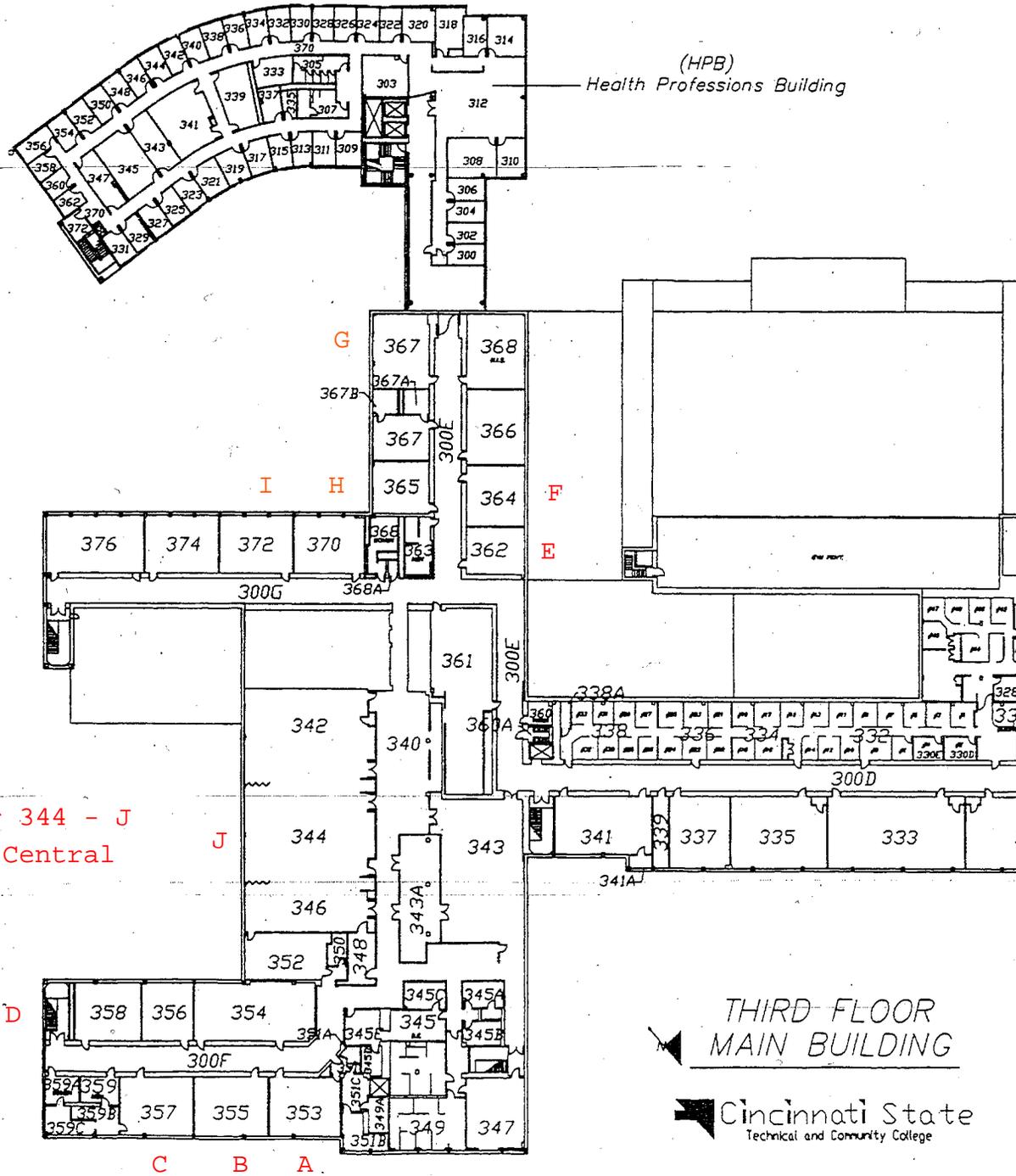
ROUND	TEAMS	ROOM	TEAMS	ROOM	TEAMS	ROOM
1 9:00 a.m.	1 vs. 2	G – 367	3 vs. 4	H – 370	5 vs. 6	I – 372
2 9:35 a.m.	1 vs. 3	H – 370	2 vs. 5	G – 367	4 vs. 6	I – 372
3 10:10 a.m.	1 vs. 4	G – 367	3 vs. 5	H – 370	2 vs. 6	I – 372
4 10:45 a.m.	NO	GAMES	NO	GAMES	NO	GAMES
5 11:15 a.m.	4 vs. 5	G – 367	2 vs. 3	H – 370	1 vs. 6	I – 372
6 11:45 a.m.	1 vs. 5	I – 372	2 vs. 4	H – 370	3 vs. 6	G – 367
7 12:15 p.m.	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
12:45 p.m.	TIEBREAKS IF NECESSARY			TIEBREAKS IF NECESSARY		

2014 Greater Cincinnati Regional Science Bowl

Radium Division Score Sheet

TEAM	1	2	3	4	5	6	TOTAL POINTS
1							
2							
3							
4							
5							
6							

2014 Map for Science Bowl



Key:

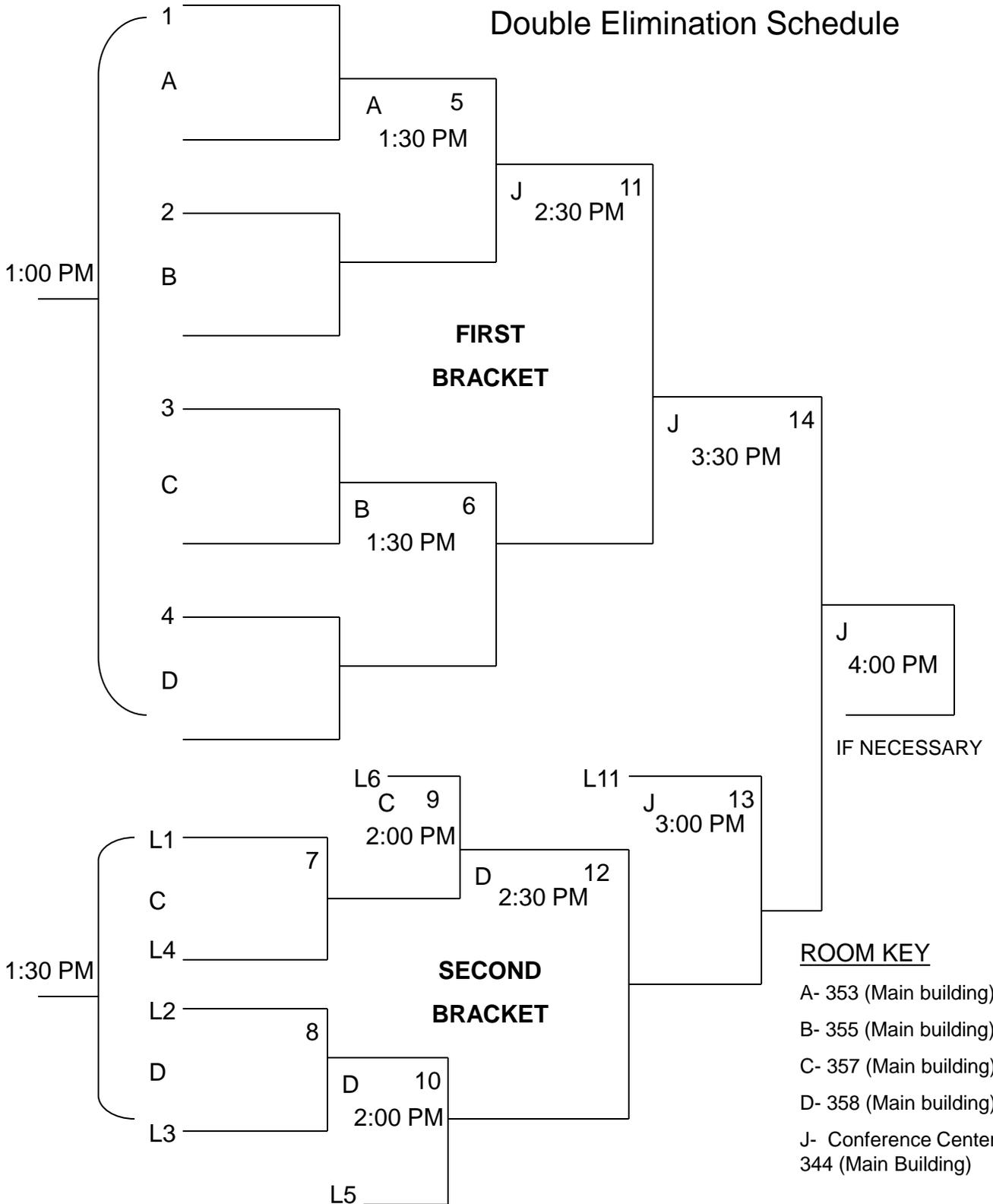
- Room 353 - A
- Room 355 - B
- Room 357 - C
- Room 358 - D
- Room 362 - E
- Room 364 - F
- Room 367 - G
- Room 370 - H
- Room 372 - I
- Conference Center 344 - J
- Room 354 - Grand Central

Twenty Third Annual Greater Cincinnati Regional Science Bowl

February 22, 2014

Room
&
Match No.

Double Elimination Schedule





**2013 Regional Champions
Paul Laurence Dunbar High School**



**2012 Regional Champions
duPont Manual High School**



**2011 Regional Champions
Centerville High School**



**2010 Regional Champions
Terre Haute South Vigo High School**

Science Bowl 2014 Volunteers

David Arvin
Graham Beach
Patricia Brechlin
Josephine Brownlee
Jennette Canteen-Carlisle
Greg Campbell
Robin Campbell
Christina Campbell
Brittany Chambers
Devamita Chattopadhyay
Sandip Chattopadhyay
Mary Kay Chuey
Cortney Colvin
Emily Condra
Mary Kay Chuey
ToMaris Davis
Doug Draper
Kyle Durrant
Terry Endres
Lori Erbele
Theresa Evans
Bob Everson
Gerald Gels
Sheila Gilliam
Neah Gray
Allan Harris
Joseph Hull
Tamiika Hurst
Holly Jackson
Emily Keeton
Larry Kelly
Anna Kroger
Curt Kroger
Erin Kroger
Joey Kroger

Nolan Kroger
Regina Neal
Phylicia Neal
Andrew Peplow
Elizabeth Rose
Damien Rushing
Jackie Schoultheis
Ed Skintik
Kelsey Smith
Ali Staun
Debra Vent
Pat Vent
Betsy Volk
Dustin Webb
Chuck Wiedenheft
Emma Wilhelmus
John Wood
Katherine Wyatt
Trisha Zamarron

Special Thanks to Cincinnati State Technical and Community College for hosting and co-sponsoring the 2014 Cincinnati Regional Science Bowl.

- Monica Posey, EdD; Vice President for Academic Affairs
- Robbin Hoopes, JD; Dean of Humanities and Sciences
- Terry Endres; Writing Center Manager
- Ed Sunderhaus; Physics Instructor


Cincinnati State

Notes:

Greater Cincinnati Regional Science Bowl Champions

1998	Sycamore
1999	Sycamore
2000	Sycamore
2001	Sycamore
2002	Sycamore
2003	Cincinnati Country Day
2004	Cincinnati Country Day
2005	Sycamore
2006	Beavercreek
2007	Beavercreek
2008	Sycamore
2010	Terre Haute South Vigo
2011	Centerville
2012	duPont Manual
2013	Paul Laurence Dunbar

