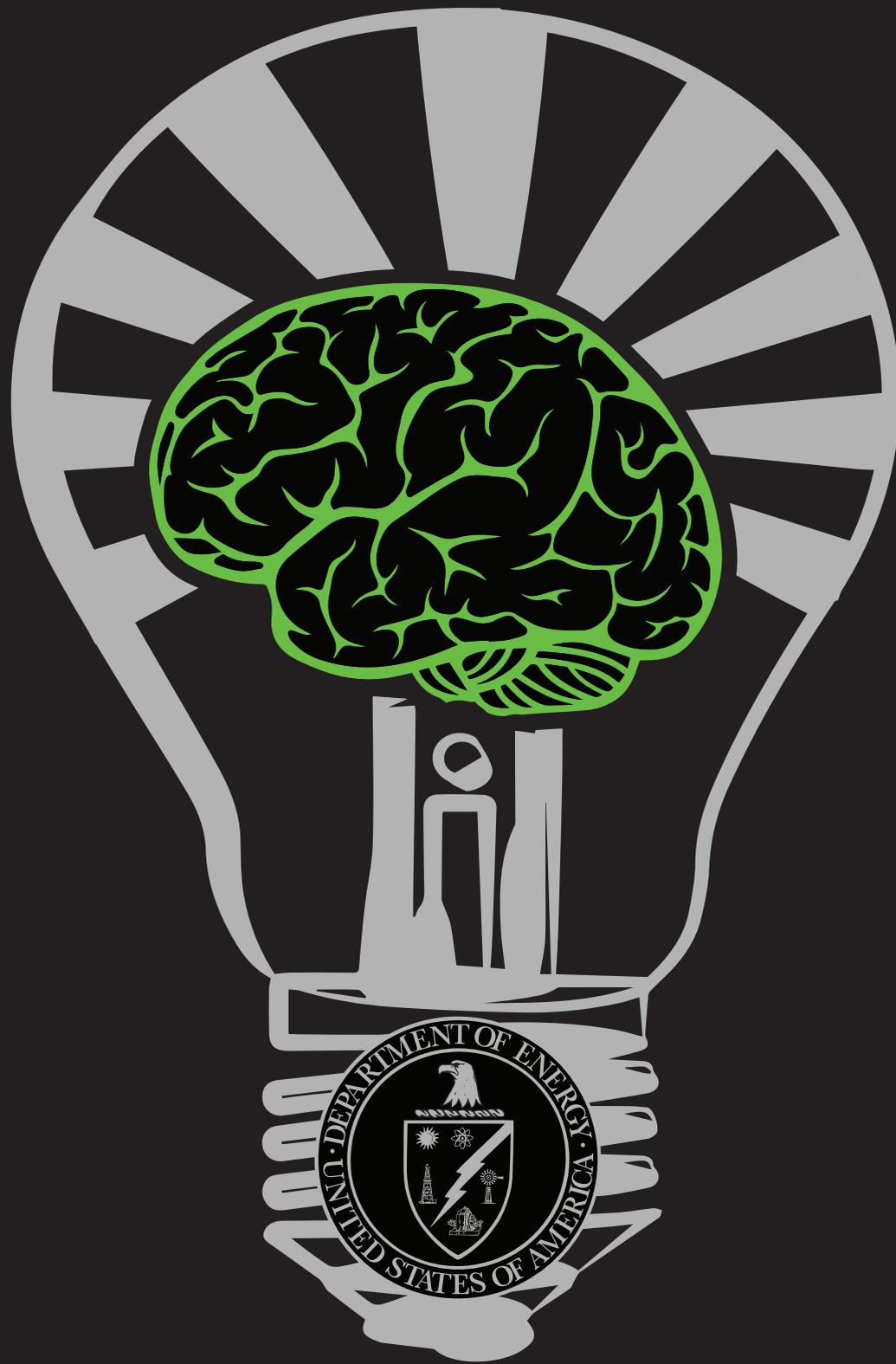


**25 YEARS OF THE
CINCINNATI REGIONAL SCIENCE BOWL**



**Sponsored by
EM Consolidated Business Center**

**Hosted by
Cincinnati State Technical and Community College
February 27, 2016**



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

The Environmental Management Consolidated Business Center (EMCBC) is excited again this year to sponsor the 25th Annual Greater Cincinnati Regional Science Bowl. For 25 years, the Department has hosted the Cincinnati area regional competition for high school students from Ohio and Kentucky. Continued advances in mathematics, science, technology, and engineering education are needed to continue to provide trained and educated citizenry essential to the future competitiveness of the United States. 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 consolidated provider of a wide range of business and technical services supporting the Department of Energy's (DOE) national environmental cleanup efforts. As the Director of the EMCBC, I am committed to the Department's national outreach programs and improving educational opportunities in science and math to generate the future scientists, engineers, innovators, and explorers within the Greater Cincinnati area who will enable the Department of Energy's mission in the 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, including 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
Director

2016 Science Bowl Team Participants

Beavercreek

Kristine McDaniel
Dennis Li
Ryan McDaniel
Waseem Naboulsi
Brian Daniels
Matt Liu

Team B

Sabri Amer
Walter Rzecznik
Ziyi Zuo
Shwetha Bindhu
Hari Paiameswaian

Bishop Hartley

Bart Krieger
Sam Agra
Tara Bowie
Marti Gillies
Ivra Bass

Team B

Chase Rawlins
Valerie Zaino
Connor Liden
Sarah Buckingham
Jesse Krieger

Centerville

Penny Sabrowski
Manfredi
Rosie Ries
Anirudh
Rangaswamy
Amol Gandhi
Michael Li
Chetan Nambiar

Team B

James Simpson
Sachin Shankar
Maxwell Venetos
Parker Huntington
Karan Verma
Hyemin Kim

Cincinnati

Country Day

Jonathan Franzosa
Trisha Atluri
Jeremiah May
Joe Lou
David Yang
Lorae Stojanovic

Team B

Margaret Bernish
Samuel Schwartz
Shaheel Mitra
Tony Wen
John Joy

Dublin Jerome

James DiGiacomo
Simon Zhuang
Ilesh Jain
Sriman Marpadga
George Chen
Andrew Zhang

Dublin Scioto

Roger Rabold
Kohtaro Yamakawa
Eighin Chan
Emma Silsdorf
Clark Smith
Ishan Patel

Dupont Manual

Glenn Zwanzig
Praneth Goli
Harsha Paladugu
Anirudh Adavi
Mukund
Venkatakrisnan
Allison Tu

Team B

Anjali Chadha
Srikur Kanuparthi
Ben Jiang
Srikur Padmanaban
Aditya Mehta

La Salle

Chrystal Blosser
Wells
Robert Manning
Joey Amend
David Bruewer
Elijah Flerlage
Nate Halm

Team B

Remington
Schneider
Cameron Nichols
Andrew Towns
Sam Vogt

Loveland

Jennifer Chast
Juan Ortiz
Josh Ackley
Zach Seltzer
Grant Leever
Reese Heckman

Team B

Radu Vasilescu
Kameron
MacKenzie
Sophia Sperry
Riley Owens

Paul Laurence

Dunbar

Deborah Kay
Bailey
Thirushan Wigna-
Kuman
Shashank Bhatt
Zsombor Gal
Adil Yusuf
Shaoyi Sheng

Team B

Ananth Miller-
Munth
David Ma
Hanna Wang
Zainab Kahloon

River View

Luci Howard
Abigail Ambrose
Sarah Holmes
Sarah Allen
Amy Johnson
Josie Fornara

Ross

Meg Cottingham
Chase Wallace
Maggie Jones
David Reitenbach
Andrew White
Jacob Reid

Seven Hills

Nick Francis
Zach Sorscher
Alex Jiang
Sam Eng
Varshini Odayar
Christine Cao

Team B

Shane Digiovanna
Felix Karthik
Carrie Cheng
Matthew Clayton

Sycamore

Mary Palmer
Divyesh Balamurali
Rachit Kumar
Josh Peck
Aaron Charnay
Serena Kaul

Team B

Beth Quinones
Ben Charnay
Ryan Tufts
Sabrina Kaul
Varun Nagendra
David Wang

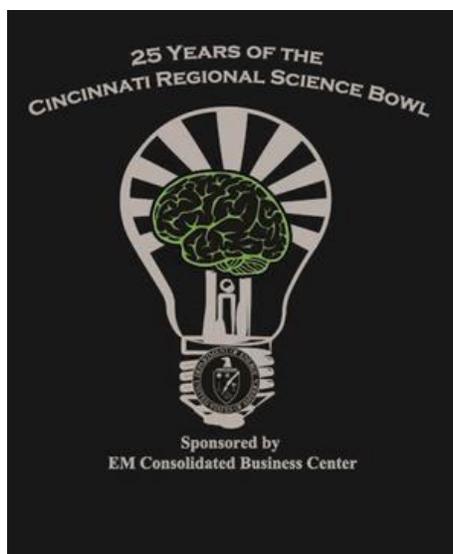
AGENDA

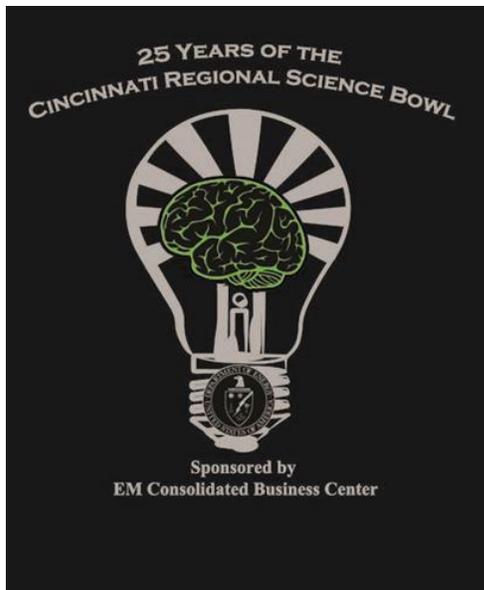
2016 Twenty-Fifth Annual Greater Cincinnati Regional Science Bowl “25 Years of Celebrating Science Education”

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 2016 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 Ohio and 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

2016 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, and custom engraved brass medallion medals for each team member. The winning team will also receive a 24 x 36 Science Bowl poster.

The Second Place Team, alternate, and coach will receive a 7 x 9 Woodcote team plaque, and custom engraved silver medallion medals for each team member.

The Third Place Team, alternate, and coach will each receive a 7 x 9 Woodcote team Plaque, and custom engraved bronze medallion medals for each team member.

All participants will receive:

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

2016 DOE NATIONAL SCIENCE BOWL GRAND PRIZES

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.

2016 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 - 362	3 vs. 5	E - 364	2 vs. 6	F - 370
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

2016 Greater Cincinnati Regional Science Bowl

Uranium Division Score Sheet

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

2016 Greater Cincinnati Regional Science Bowl

Protactinium Division

ROUND	TEAMS	ROOM	TEAMS	ROOM	TEAMS	ROOM
1 9:00 a.m.	1 vs. 2	D – 362	3 vs. 4	E – 364	5 vs. 6	F – 370
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 – 362	2 vs. 4	E – 364	3 vs. 6	F – 370
5 11:15 a.m.	4 vs. 5	D – 362	2 vs. 3	E – 364	1 vs. 6	F 370
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		

2016 Greater Cincinnati Regional Science Bowl

Protactinium Division Score Sheet

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

2016 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 – 362	2 VS 5	E – 364	4 VS 6	F – 370
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 – 372	2 VS 4	H – 374	3 VS 6	I – 376
5 11:15 a.m.	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
6 11:45 a.m.	1 VS 2	D – 362	3 VS 4	E – 364	5 VS 6	F – 370
7 12:15 p.m.	4 VS 5	D – 362	2 VS 3	E – 364	1 VS 6	F - 370
12:45 p.m.	TIEBREAKS	IF	NECESSARY	TIEBREAKS	IF	NECESSARY

2016 Greater Cincinnati Regional Science Bowl

Thorium Division Score Sheet

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

2016 Greater Cincinnati Regional Science Bowl

Radium Division

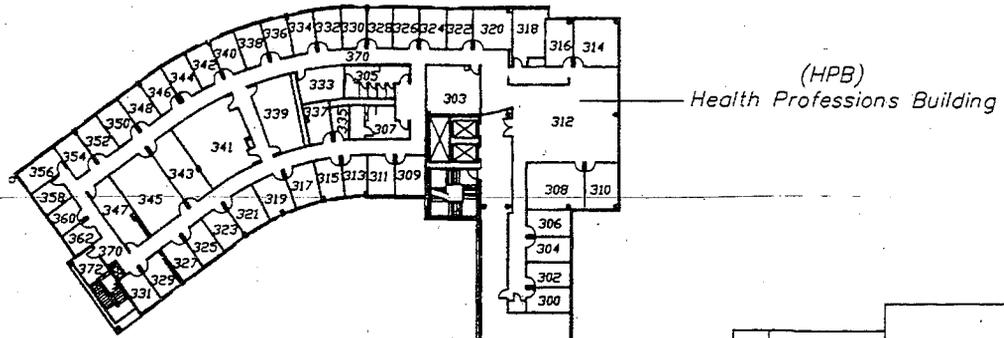
ROUND	TEAMS	ROOM	TEAMS	ROOM	TEAMS	ROOM
1 9:00 a.m.	1 vs. 2	G – 372	3 vs. 4	H – 374	5 vs. 6	I – 376
2 9:35 a.m.	1 vs. 3	H – 374	2 vs. 5	G – 372	4 vs. 6	I – 376
3 10:10 a.m.	1 vs. 4	G – 372	3 vs. 5	H – 374	2 vs. 6	I – 376
4 10:45 a.m.	NO	GAMES	NO	GAMES	NO	GAMES
5 11:15 a.m.	4 vs. 5	G – 372	2 vs. 3	H – 374	1 vs. 6	I – 376
6 11:45 a.m.	1 vs. 5	I – 376	2 vs. 4	H – 374	3 vs. 6	G – 372
7 12:15 p.m.	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH
12:45 p.m.	TIEBREAKS IF NECESSARY			TIEBREAKS IF NECESSARY		

2016 Greater Cincinnati Regional Science Bowl

Radium Division Score Sheet

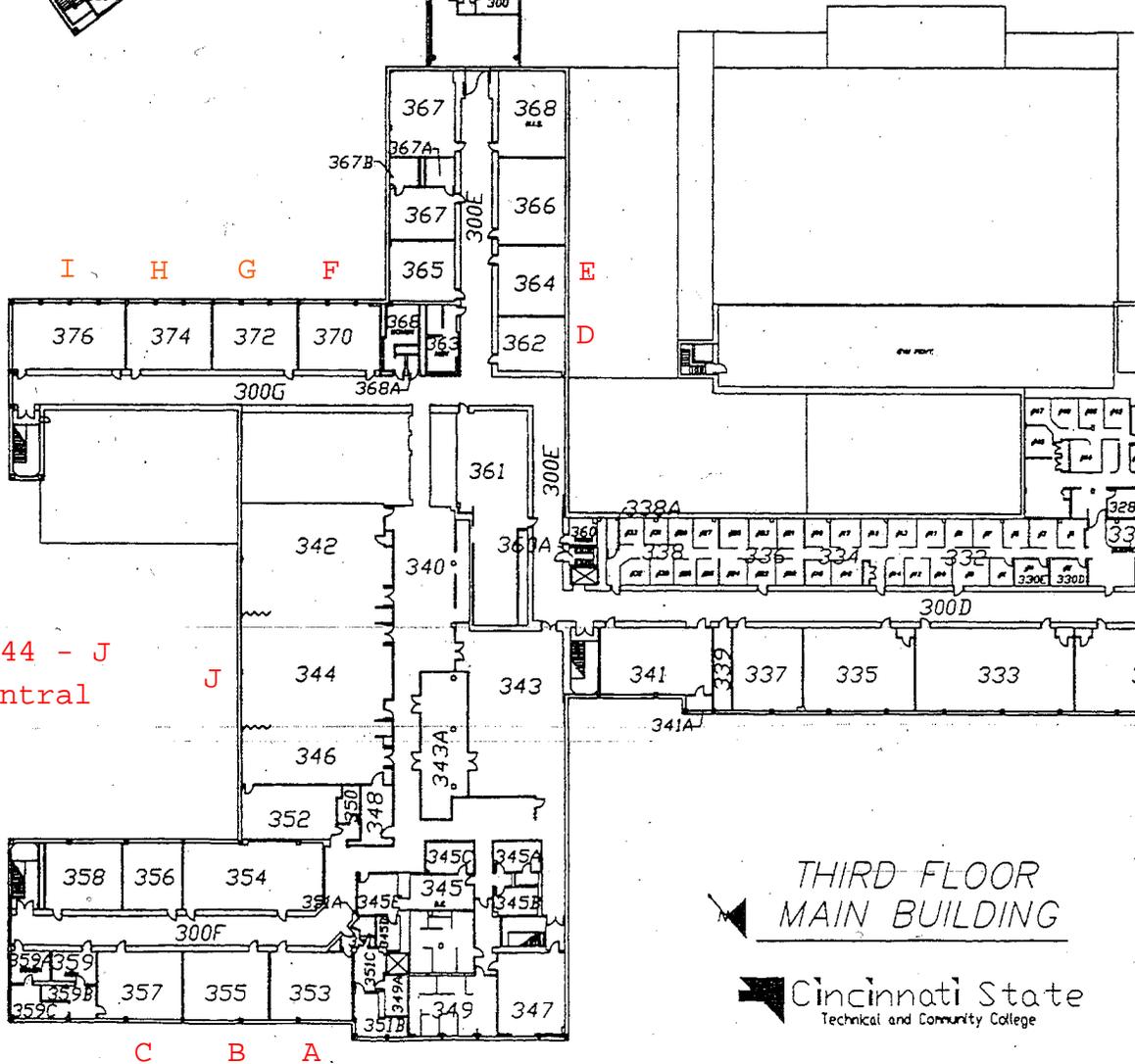
TEAM	1	2	3	4	5	6	TOTAL POINTS
1							
2							
3							
4							
5							
6							

2016 Map for Science Bowl Cincinnati State - Main Building



Key:

- Room 353 - A
- Room 355 - B
- Room 357 - C
- Room 362 - D
- Room 364 - E
- Room 370 - F
- Room 372 - G
- Room 374 - H
- Room 376 - I
- Conference Center 344 - J
- Room 354 - Grand Central

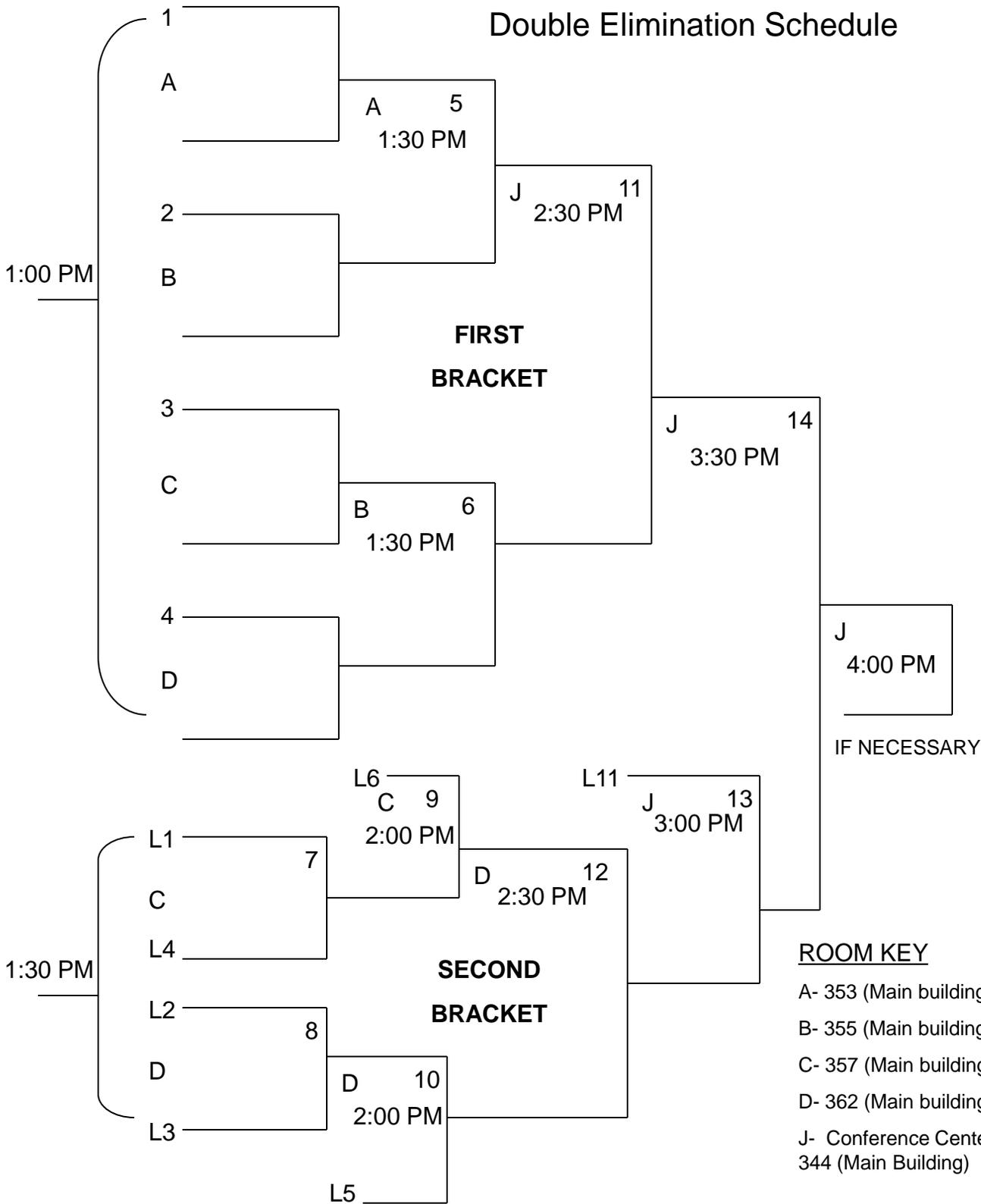


Twenty Fifth Annual Greater Cincinnati Regional Science Bowl

February 27, 2016

Room
&
Match No.

Double Elimination Schedule





2015 Regional Champions duPont Manual High School



2014 Regional Champions Dublin Scioto High School



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

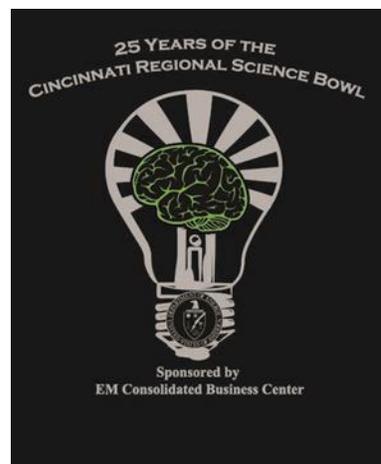


**2012 Regional Champions
duPont Manual High School**

2016 Science Bowl Volunteers

Adrienne Ariza
Ken Armstrong
David Arvin
Sue Batory
Stephanie Bien
Penny Borgman
Melvin Boyd
Atiya Jordan-Brown
Josephine Brownlee
Sandi Buschmann
Robin Campbell
Russell Campbell
Monia Carter
Sandip Chattopadhyay
Ludan Chen
Eugenia Davis
Doug Draper
Tony Frye
Gerald Gels
Sheila Gilliam
Joe Guido
Allan Harris
Ray Harmon
Heather Hatchett
Taylor Hembre
Bruce Hemphill
Ralph Holland
John Homer
Joseph Hull
Holly Jackson
T.J. Jackson
Jordan Jacob
Brady Jones
Voisard Karen
Larry Kelly
Joanne Kromski
Judy Marshall
Chad McDaniel
Mike McCreanor
Henry Morgan
Laura Morris
Regina Neal
Gary Newhart
Katie Payne
Keith Payne
Nicholas Payne

Thomas Payne
Andrew Peplow
Mindy Piles
Mary Repaske
Steven Richburg
Damien Rushing
Stephanie Stafford
Jackie Schoultheis
Mary Sizemore
Sue Smiley
Dante Smith
Tom Sumerix
Alyce Thompson
Dorothy Varchol
Betsy Volk
Christina Campbell-Webb
Dustin Webb
Ronald Wiechmann
John Wood
Juliann Young
Trisha Zamarron



Students from Cincinnati
State Honors Program

Students from Cincinnati
State Society of
Occupational Therapy
Assistants

Special Thanks to Cincinnati State Technical and Community College for hosting and cosponsoring the 2016 Cincinnati Regional Science Bowl

- * **Monica Posey, EdD; Interim President**
- * **Robbin Hoopes, JD; Interim Provost**
- * **Terry Endres; Writing Center Manager**
- * **Ed Sunderhaus; Physics Chair**
- * **Ryan Shadle; Academic Foundations**
- * **Meredith Effler; Humanities and Sciences**
- * **Mark Tiemeier; Health and Public Safety**


Cincinnati State

Greater Cincinnati Regional Science Bowl Champions

2001	Sycamore
2002	Sycamore
2003	Cincinnati Country Day
2004	Cincinnati Country Day
2005	Sycamore
2006	Beavercreek
2007	Beavercreek
2008	Sycamore
2009	Centerville
2010	Terre Haute South Vigo
2011	Centerville
2012	duPont Manual
2013	Paul Laurence Dunbar
2014	Dublin Scioto
2015	duPont Manual