

2013 GREATER CINCINNATI REGIONAL SCIENCE BOWL



FEBRUARY 23, 2013
CINCINNATI STATE
TECHNICAL AND COMMUNITY COLLEGE
CINCINNATI, OHIO

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

The Environmental Management Consolidated Business Center (EMCBC) is excited again this year to host the 22nd Annual Greater Cincinnati Regional Science Bowl. For the past 22 years, the Department has hosted the Cincinnati area regional competition for high school students from Ohio, and Kentucky. With the nations continued focus on energy independence and sustainability, it's more important than ever to facilitate the development of 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 Director of the EMCBC, I am committed to the Department's national outreach programs and improving education in science and math to generate scientists, engineers, researchers and innovators 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 years Greater Cincinnati Regional Science Bowl a success that include 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.

Jack R. Craig, Director

2013 Science Bowl Team Participants

Badin

Philip Reamy
Nathaniel Peter
Eric McGill
Alex Saurber
Michael Kulifay
Michael Lakomy

Team B

Kyle Bergen
Claire Schuster
Amy Seither
Logan Kirsch
Matt Krabacher

Bishop Hartley

Ann Hawk
Andrew Nouanesengsy
Roman Amorati
Paul Matheke
Max Corum
Josh Deslich

Team B

Ivra Bass
Charles Collins
John Collins
Marty Gillies
Sam Agra

Beavercreek

Kristine McDaniel
Tiger Cheng
Bohdan Chushak
Jacob Erickson
Andrew Galbraith
Timothy McDaniel

Team B

Vignasiddh Erukonda
Lucas Erickson
Emily Kim
Dennis Li
Justin Whittington

Centerville

Penny Valentini
Justin Lun
Amelia Spaulding
Deepti Gupta
Shivam Sarodia
Joseph Lin

Team B

Nazik Elmekki
Alex Damm
Heather Wang
Andrew Wang
Nikhil Nambiar

Country Day

Jonathan Franzosa
Grant Swinton
Julian Braxton
Pranav Madabhushi
Jack Findley
Austin Harden

Dublin Scioto

Roger Rabold
Arjun Venkataraman
Nathan Reiser
Jay Kim
Casey Olen
Shuming Chan

Team B

Mahesh Dhulipala
Krish Nair
Harshil Amin
Kohtaro Yamakawa
Mehda Choudhary

du Pont Manual

Craig DaRif
Ava Chen
David Ferguson
Alice Liu
Yue Zhang

Team B

Nigel Edward
Allen Jiang
Praneeth Goli
Bryan Zhu

Edgewood

Judy Reid
Cameron Williams
Will Bieller
Abbey McKinney
Erica Huehn
Danny Holden

Team B

Natalie Hahn
Logan Wilder
Kyle Burge
Matthew Clayton

Highlands Latin School

Shawn Wheatley
Sydney Veith
Austin Schmidt
Beccy Musal
Elizabeth Arteberry

Kings

Ashley Warren
Grace Reinders
Annie Orr
Matt Tracey
Luke Danko
Brianna Gray

Oakstone Academy

Kimberly Kelly
Lesley DeWees
Daniel Peck
Richard Ugland
Troy Stephens
Shelby Elzinga
John Quigley

Paul Laurence Dunbar

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

River View

Rebecca Hartsock
Abigail Ambrose
Sarah Holmes
Charlie Holmes
Elizabeth Lozowski
Rachel Lozowski

Sycamore

Mary Palmer
Soham Agarwal
Nicolas Singh Hershey
Joonhyuk Lee
Angela Lee
Nimit Desai

Team B

Mary Palmer
Rajat Bhageria
Brennon Shanks
Amy Liu
Shyam Parikh
Nakul Narendran

Thurgood Marshall

Henry Noble
Kadijah Taylor
Jasmin Sanford
Mitchell Cowan
Khayln Miller
Shepria Pointer

Withrow

Dennis Ullery
Todd Slaughter
Minuet Healy
Jordan Alexander
Amel Osman
Brandon Craig



Eligibility

The 2013 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-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**

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Environmental Management Consolidated Business Center, DOE

2012 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 Bobblehead Pen
- National Science Bowl Posters, Brochures
- Cincinnati State Brochures, Pens, and Eco-Friendly Notepad

2013 DOE NATIONAL SCIENCE BOWL GRAND PRIZES

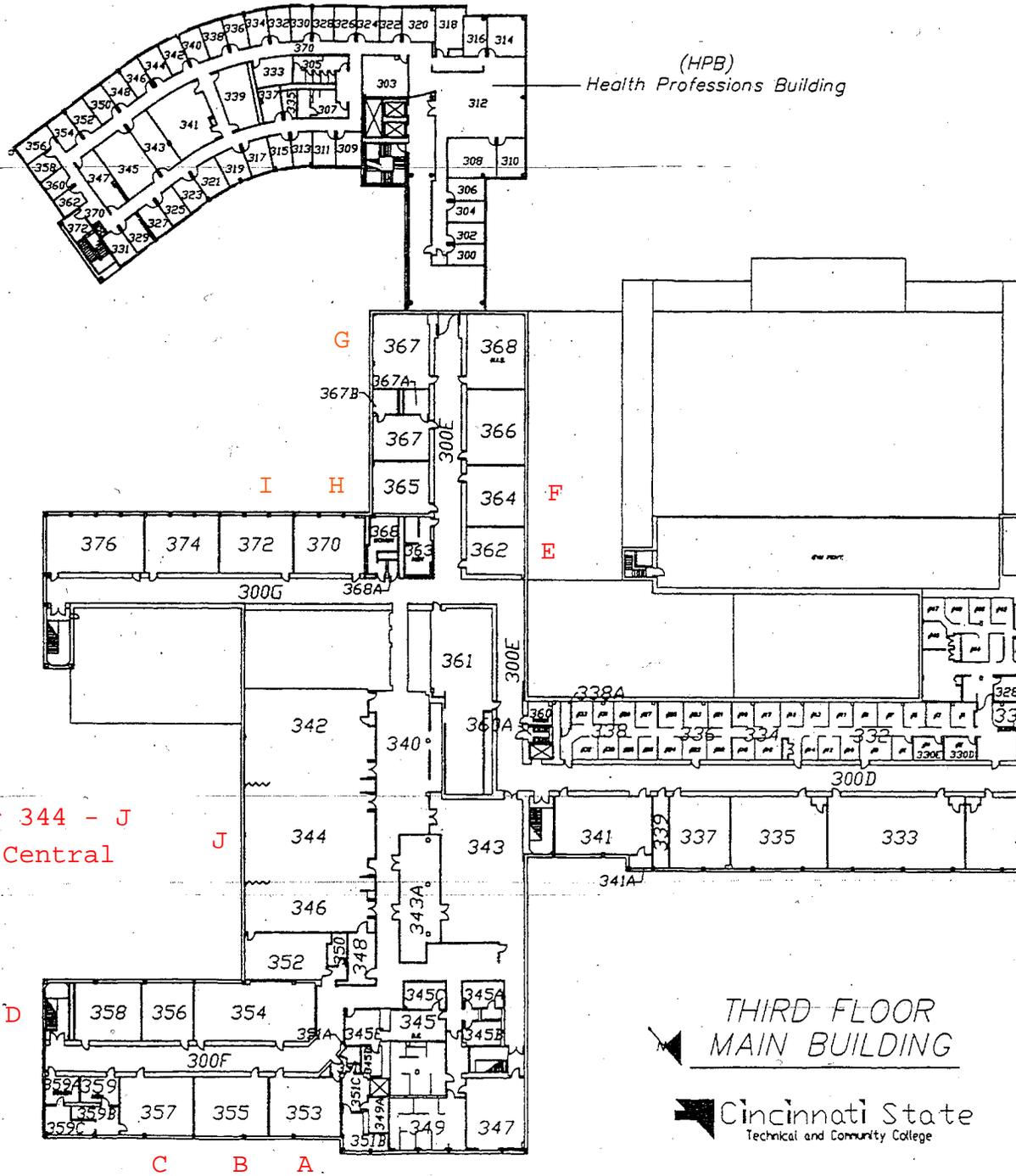
The team members that receive the DOE Science Bowl Civility Award will receive amazon.com gift cards.

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.

2013 Map for Science Bowl



2013 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

2013 Greater Cincinnati Regional Science Bowl

Uranium Division Score Sheet

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

2013 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

2013 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							

2013 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

2013 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							

2013 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

2013 Greater Cincinnati Regional Science Bowl

Radium Division Score Sheet

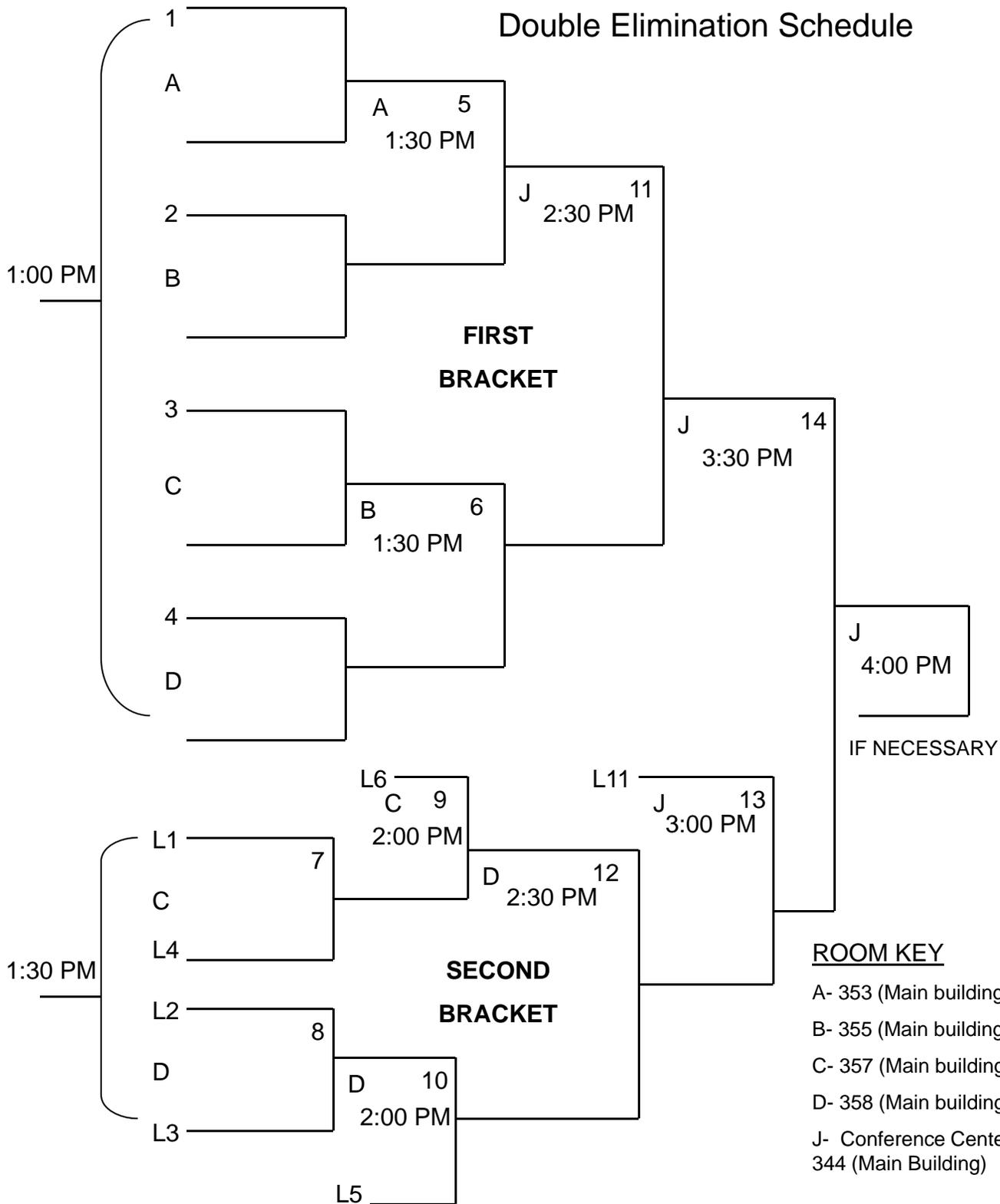
TEAM	1	2	3	4	5	6	TOTAL POINTS
1 Beavercreek B							
2							
3							
4							
5							
6							

Twenty Second Annual Greater Cincinnati Regional Science Bowl

February 23, 2013

Room
&
Match No.

Double Elimination Schedule



**2012 Regional Champions
duPont Manual High School**

**2011 Regional Champions
Centerville High School**

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

**2009 Regional Champions
Centerville High School**

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