

Dallas Regional

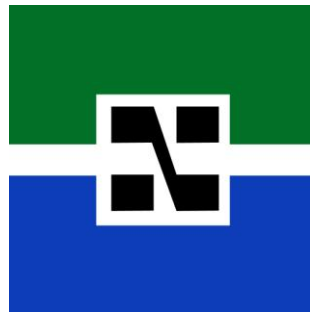


Exploring the World of Science

Science Olympiad Tournament

March 24, 2012

Sponsored by



North Lake College
Dallas County Community College
District



North Lake College

DALLAS COUNTY COMMUNITY COLLEGE DISTRICT

A message from Christa Slejko,
Interim President of North Lake College

Congratulations on being a part of the Science Olympiad, and welcome to North Lake College. I hope that while you're on our campus today, you'll take the opportunity to get to know North Lake College better.

While you are here, you will discover a college that is committed to learning with great instructors and support staff to help you. Our graduates tell us that their studies at North Lake have prepared them well for meeting their educational and career goals. In our Math, Sciences and Sport Sciences Teaching and Learning Center, we offer a Pre-Professional Accelerated Science Program, for students who know that they want to go into the Science field. It consists of sequential eight weeklong sessions in Biology, Chemistry and Physics in the fall and spring semesters. The accelerated course option is offered in addition to the traditional sixteen-week format. As a student here, you also will find excellent instruction in all the disciplines you will need to complete your collegiate transfer program.

Our students also tell us how they enjoyed the open and supportive atmosphere and welcoming spirit of the college. Many have made lasting friendships while studying here. We have excellent programs, dedicated faculty and a thriving learning community.

Here at North Lake College, we embrace innovation and creative thinking – exactly what brought you here today. Enjoy your event, and come back to see us when you're ready for college.

Sincerely,

Christa Slejko
Interim President

History of the Science Olympiad

The Science Olympiad began when Dr. Gerard J. Putz, Regional Science Consultant for Macomb County Intermediate School District in Michigan, invited John C. Cairns, State Science Supervisor for Delaware Department of Instruction, to share the Science Olympiad program with Macomb County educators on March 29, 1982. The invitation was prompted by an article on the Delaware Science Olympiad (*The Science Teacher*, December, 1977) written by Douglas Macbeth, past Delaware State Science Supervisor that was brought to Gerard's attention by Michigan Science Teachers Association President David Larwa. The Delaware Science Olympiad was patterned after similar events in Pennsylvania and North Carolina. After two successful workshops at the Macomb Intermediate School District (March, 82) and the Edsel and Eleanor Ford Estate (January, 83), science education leaders in Southeastern Michigan planned two very successful tournaments at Lawrence Institute of Technology (April, 83) and Oakland University (May, 84).

These two tournaments were so successful that Dr. Putz convinced Mr. Cairns that they should share the program with the rest of the nation. The Science Olympiad program was presented to the Council of State Science Supervisors at the National Science Teachers Conference in Boston in 1984 and sponsors were solicited from the conference exhibitors. Gerard's experience with the Army (Lt. Col. Air Defense Artillery, retired) and the understanding of its increasing need for a high tech modern force led him to the Army's booth. After much discussion, the Army decided to sponsor a National Leadership Seminar to determine the level of interest before they committed to sponsoring the 1st Science Olympiad National Tournament. Leaders from all 50 states and Puerto Rico were invited to this first Seminar at the St. Clair Inn in Michigan in the summer of 1984. The event captains, coaches and especially the students, so impressed the United States Army Recruiting Command (USARAC) executives and the N. W. Ayer Advertising Agency, that the Army decided to sponsor the 1st National Tournament which was later to be hosted by Michigan State University in May, 1985. Seventeen states participated in that tournament. There are now over 14,000 K-12 schools participating from all 50 states, Canada and other countries. The rest is history.

The Science Olympiad Mission is:

To promote and improve student interest in science and to improve the quality of k-12 science education throughout the nation.

The Science Olympiad Vision To Accomplish This Mission is:

To create a passion for learning science by supporting elementary and secondary Science Olympiad tournaments at building, district, county, state and national levels with an emphasis on teamwork and a commitment to excellence.

To improve the quality of K-12 science education throughout the nation by changing the way science is perceived and the way it is taught (with an emphasis on problem solving

and hand-on, minds-on constructivist learning practices). This goal is accomplished through in-depth core curriculum training workshops and the distribution of curriculum materials to thousand of teachers.

To celebrate and recognize the outstanding achievement of both students and teachers in the areas of science and technology by awarding thousand of certificates, medals, trophies and scholarships.

To promote partnerships among community, businesses, industry, government and education.

The Specific Purposes Of Science Olympiad Tournaments Are:

To bring science to life, to show how science works, to emphasize problem solving aspects of science and the understanding of science concepts.

To develop teamwork and cooperative learning strategies among students.

To make science education more exciting so more students will enroll in science courses and engage in other science activities like science reading, fairs, meetings and field trips.

To promote high levels of achievement and a commitment to excellence, to demonstrate that American students can perform at levels that surpasses expectations of even practicing scientists and engineers.

To attract more students particularly females and minorities to professional and technical careers in science, technology and science teaching.

General Event Information

- Please be sure you have all the material you need for your event.
- Please be on time for your event.
- When you first arrive check in at the registration desk for a Coach's name tag if you don't have one and to see if there is any last minute information.
- Event Supervisors will check the students as they enter the competition area. Make sure any resources brought meet the requirements, such as lists, binders, goggles, calculators, etc.
- Students **MUST** be appropriately dressed for lab events.
 - If socks or skin is visible on the front part of the foot (not completely enclosed), the footwear is not acceptable (some "Crocs")
 - Woodworker's goggles (those with unrestricted holes drilled in the sides) are not acceptable for eye protection.
- Students **MUST** be wearing their wrist bands and the students will be checked to see that they have the appropriate wristband.
- Only team members are allowed in the event areas. No Coaches or parents are allowed in the event areas. You may watch the gym events from upstairs by the large windows.
- Event Supervisors will not allow cell phones or other communication devices in the competition area.

- If a team comes late to an event, they may enter and participate. They may NOT have additional time.
- If one team member arrives and the other is late, the student present may begin and the other student may join up with his team member when he arrives.
- If a student leaves the event for any reason, the student must turn in any exams and may NOT return to continue working in any event. NO exceptions. The exam will be graded as is.
- Schools with multiple teams may not allow the students to switch back and forth between the teams. Doing so means they are disqualified in that event.
- The rules for your event will be followed thoroughly.
- Check the National Science Olympiad website for any clarifications regarding your event or additional information and suggestions. <http://soinc.org/>
- Students will handle any devices
- And remember to have FUN!

Science Olympiad has been recognized as a model program in the National Science Standards developed by the National Research Council. Business leaders from across North America praise Science Olympiad for its innovation and contribution to improving scientific and technological literacy, as well as for helping to ensure our nation's global competitiveness.

Science Olympiad is an international nonprofit organization devoted to improving the quality of science education, creating a passion for learning science and providing recognition for outstanding achievement in science education by both students and teachers.

*Dr. Gerard J. Putz
President, Science Olympiad
September 2006*

2012 NLC Regional Science Olympiad - Division B Schedule of Events

Gym Event	7:30-8:20	8:30-9:20	9:30-10:20	10:30-11:20	11:30-12:20	12:30-1:20	1:30-2:20	2:30-3:20	3:30-4:30	4:30-6:00
Bottle Rocket						Report to Gym and Go Outside			Judging	Awards & Closing Ceremonies
Naked Egg Drop	Impound Gym	Gym								
Mission Possible	Impound Gym		Gym							
Storm the Castle	Impound Gym	Gym								
Towers						Gym				
Event	7:30-8:20	8:30-9:20	9:30-10:20	10:30-11:20	11:30-12:20	12:30-1:20	1:30-2:20	2:30-3:20		
Anatomy					G405					
Compute This		T225								
Crime Busters				C316						
Experimental Design		C225								
Food Science			C309							
Forestry							C326			
Keep the Heat	Impound C309				C309					
Microbe Mission				C326						
Optics						C227				
Rocks and Minerals			C332							
Science Word							C305			
Triple E							G405			
Water Quality		C227								
We've Got Your Number			G405							
Wildflowers						C316				
Write It/Do It					C332					
Time	Master Schedule									
7:30 - 8:30 AM	Registration (Head Coaches Only)					Registration is in the lobby of the C building				
7:30 - 8:20 AM	Impound at various locations					Closing Ceremonies are in the Performance Hall				
8:30 AM - 3:30 PM	Competition									
4:30-6:00 PM	Awards and Closing Ceremonies					A Coach's Only Room is located in C338. (for coffee, snacks, and additional computers)				

2012 NLC Regional Science Olympiad - Division C Schedule of Events

Gym Event	7:30-8:20	8:30-9:20	9:30-10:20	10:30-11:20	11:30-12:20	12:30-1:20	1:30-2:20	2:30-3:20	3:30-4:30	4:30-6:00
Gravity Vehicle	Impound Gym				Gym					
Helicopters					Gym					
Towers		Gym								
Event	7:30-8:20	8:30-9:20	9:30-10:20	10:30-11:20	11:30-12:20	12:30-1:20	1:30-2:20	2:30-3:20		
Anatomy & Physiology					G405					
Chem Clue		C305								
Chemistry Lab				C305						
Experimental Design			C225							
Fermi Questions				G405						
Forensics			C316							
Forestry						C326				
Microbe Mission			C326							
Optics					C227					
Picture This							C332			
Protein Modeling	Impound C243				C243					
Rocks and Minerals		C332								
Thermodynamics	Impound C309					C309				
Water Quality			C227							
We've Got Your Number			G405							
Wind Power	Impound C225							C225		
Write It/Do It				C332						
Time	Master Schedule									
7:30 - 8:30 AM	Registration (Head Coaches Only)				Registration is in the lobby of the C building					
7:30 - 8:20 AM	Impound at various locations				Closing Ceremonies are in the Performance Hall					
8:30 AM - 3:30 PM	Competition									
4:30-6:00 PM	Awards and Closing Ceremonies				A Coach's Only Room is located in C338. (for coffee, snacks, and additional computers)					

Judging

Awards & Closing Ceremonies

Division B	Event Supervisor	Room	Times
Anatomy	Joe Wheeler, TC Alegre, Maria Serra	G405	11:30-12:20
Bottle Rocket	Chris McAdams	GYM	12:00-3:00
Compute This	Lynne Smith-Brush	T225	8:30-9:20
Crime Busters	Monica Atwell, Nakaiya Walters	C316	10:30-11:20
Experimental Design	Viola Ruck	C225	8:30-9:20
Food Science	Merry Ellen Daniel, Lanny Kurniawan	C309	9:30-10:20
Forestry	Matt Dempsey	C326	1:30-2:20
Keep the Heat	Molly Peterson	C309	11:30-12:20
Microbe Mission	Maria Serra	C326	10:30-11:20
Mission Possible	Barry Warner	GYM	9:30-11:30
Naked Egg Drop	Gabe Borvak	GYM	8:30-11:30
Optics	Maria Hossu	C227	12:30-1:20
Rocks and Minerals	Joe Wheeler	C332	9:30-10:20
Science Word	Pat Thompson	C305	1:30-3:00
Storm the Castle	TC Alegre and Brett Thompson	GYM	8:30-11:30
Towers	Fredella Wortham	GYM	12:30-3:30
Triple E	Chuck Siegel	G405	1:30-2:20
Water Quality	Vaishali Khamankar	C227	8:30-9:20
We've Got Your Number	Nicole Mabine	G405	9:30-10:20
Wildflowers	Monica Atwell	C316	12:30-1:20
Write It / Do It	Eric Holt	C332	11:30-12:20

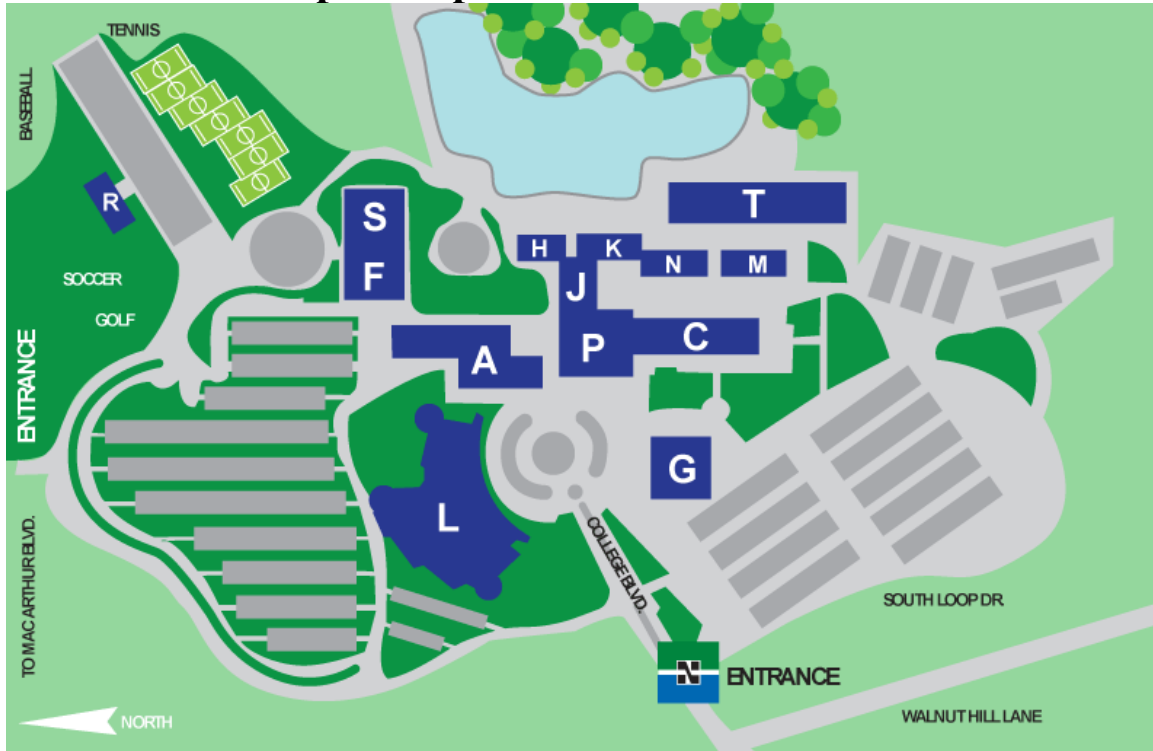
Division C	Event Supervisor	Room	Times
Anatomy & Physiology	Joe Wheeler, TC Alegre, Maria Serra	G405	11:30-12:20
Chem Clue	Kay Kouadio	C305	8:30-9:20
Chemistry Lab	Kay Kouadio	C305	10:30-11:20
Experimental Design	Viola Ruck	C225	9:30-10:20
Fermi Questions	Sequetta Desgraves, Chris McAdams	G405	10:30-11:20
Forensics	Monica Atwell, Nakaiya Walters	C316	9:30-10:20
Forestry	Matt Dempsey	C326	12:30-1:20
Gravity Vehicle	Jerry Mayfield	GYM	11:30-2:30
Helicopters	Kelly Sexton	GYM	12:00-3:00
Microbe Mission	Maria Serra	C326	9:30-10:20
Optics	Maria Hossu	C227	11:30-12:20
Picture This	Jodi Acker and Cindy Simmons	C332	1:00-2:30
Protein Modeling	Cindy Simmons	C243	11:30-12:20
Rocks and Minerals	Joe Wheeler	C332	8:30-9:20
Thermodynamics	Molly Peterson	C309	12:30-1:20
Towers	Fredella Wortham	GYM	8:30-11:30
Water Quality	Vaishali Khamankar	C227	9:30-10:20
We've Got Your Number	Nicole Mabine	G405	9:30-10:20
Wind Power	Marius Hossu	C225	1:30-3:00
Write It / Do It	Eric Holt	C332	10:30-11:20

**2012
Dallas/Ft Worth Regional,
North Lake College**

Number	School	Coach
B1	Bishop Dunne Catholic School	Christine Voigt
B2	Bland Middle School	Mattie DeVore
B3	Colleyville Middle School	Matthew Stateler
B4	Harmony School of Innovation Dallas	Suleyman Yildirim
B5	Harmony School of Nature & Athletics	Katherine Denham
B6	Harmony Science Academy - Dallas Middle	Chinyelu Mozie
B7	Harmony Science Academy - Grand Prairie	Salim Joldoshev
B8	Liberty Christian School	Heather Lytle
B9	Northstar School	Tabatha Knickerbocker
B10	Westwood Junior High	Elizabeth Freeman
B11		
B12		

C1	Farmersville High School	Sandy Jacobs
C2	Greenhill School	Jeff Funkhouser
C3	Harmony Science Academy - Dallas	Manisha Singh
C4	Harmony Science Academy - Grand Prairie	Salim Joldoshev
C5	Jack E Singley Academy Alpha	Maria Segovia
C6	Jack E Singley Academy Beta	"
C7	Liberty Christian School	Heather Lytle
C8	Northstar School	Tabatha Knickerbocker
C9	Texas Academy of Mathematics and Science	Joe Yu
C10	The Hockaday School	Jennifer Stimpson
C11	William P. Clements High School Alpha	Vicky Brathwaite
C12	William P. Clements High School Beta	"

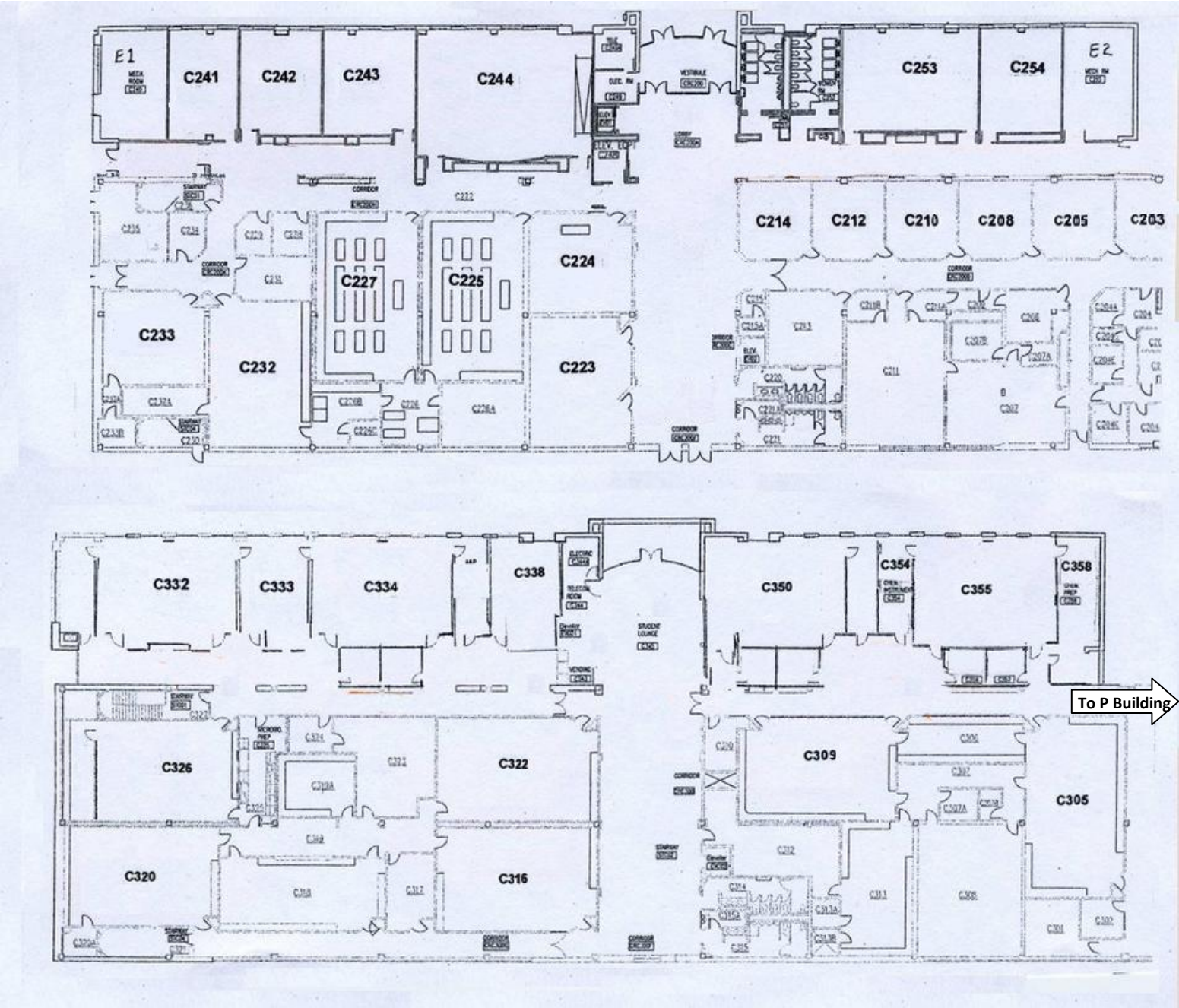
North Lake Campus Map



See Legend Below

- Building A - Disability Services, Admissions, Registration, Advising
- Building C - Health Center, Police Department, Science
- Building F - Gymnasium, Sports
- Building G - Human Resources, Visual & Performing Arts, Administrative Suites
- Building H - Visual Arts
- Building J - Student Lounge, Art Display
- Building K - Cafeteria and Bookstore
- Building L - Library
- Building M - Facility Services
- Building N - Meeting rooms
- Building P - Arena Theatre, Performance Hall, Math, Science, Sport Science
- Building R - Sports Pavilion
- Building S - Natatorium
- Building T - Technology Division

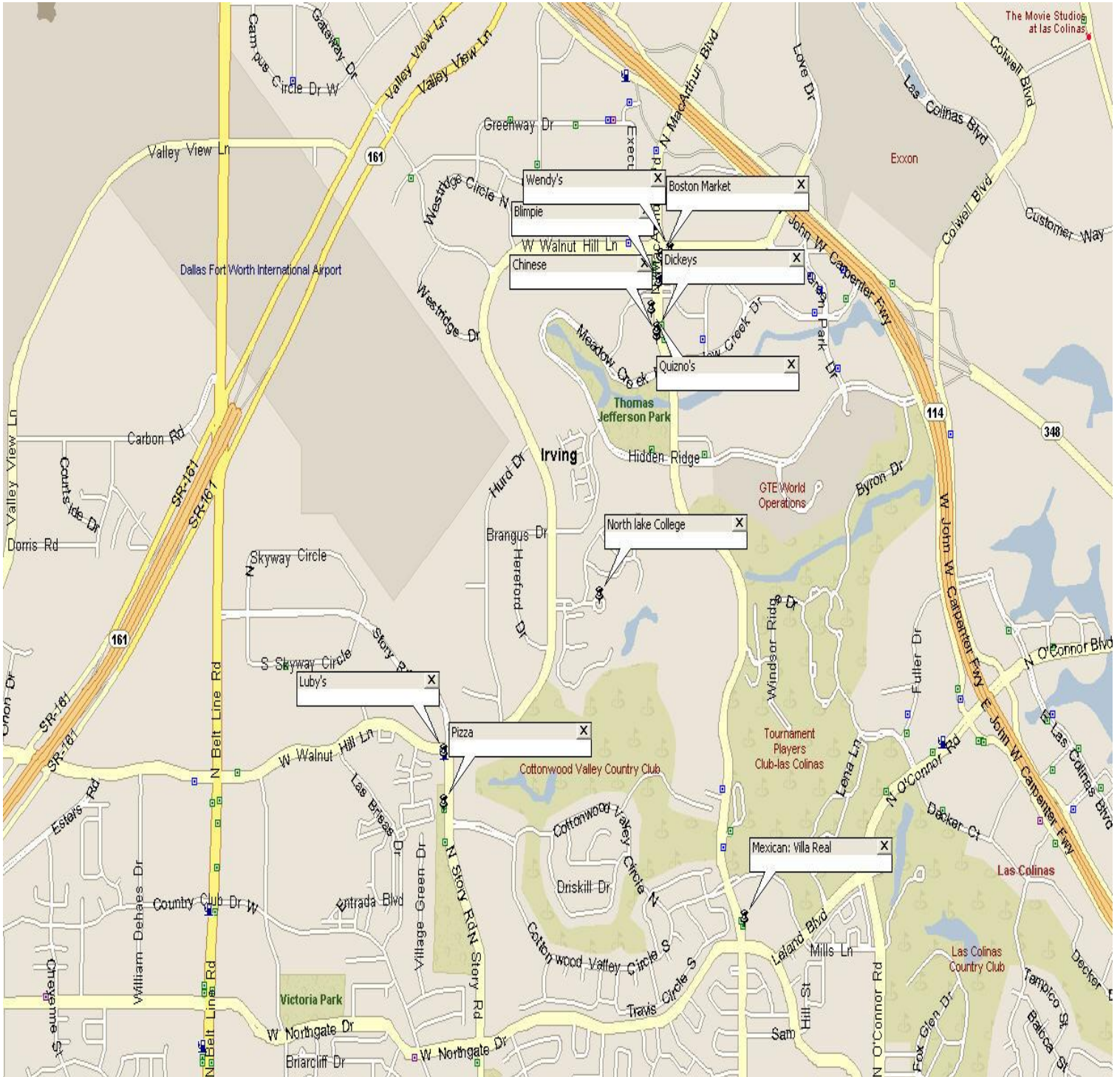
C Building Map. Bottom floor rooms start in the 200's and the top floor rooms start in the 300's. See Map below.



G Building Map. Coming from the C building the ground floor starts in the 400's. See below.



Map of surrounding food places: See below.



THANKS!

Thank you so much for volunteering to help with the Dallas / Fort Worth Regional. We appreciate your willingness and the time you have put toward helping promote and improve student interest in the sciences. Without your support we would not be able to have a successful Science Olympiad. We hope you have an enjoyable experience and that you will join us again!

A very special note of thanks to all the staff, volunteers, event supervisors and support services at Northlake College who have made this competition possible. We hope our guests have a wonderful experience today and best of luck to each and every competitor! You have proven that you are extraordinary by participating. Thanks to the coaches, parents and teachers who have supported the competitors and hopefully a national champion team will come from the Dallas Region!