



*Creativity is seeing what everyone sees
and thinking what no one has ever thought.*

- Albert Einstein



Science

THINK LIKE YOU

U.S. Department of Energy's
National Science Bowl®
for Middle School Students

PROGRAM



June 21 - 24, 2007
Denver, Colorado

2007

U.S. DEPARTMENT OF ENERGY'S NATIONAL SCIENCE BOWL® *for* MIDDLE SCHOOL STUDENTS

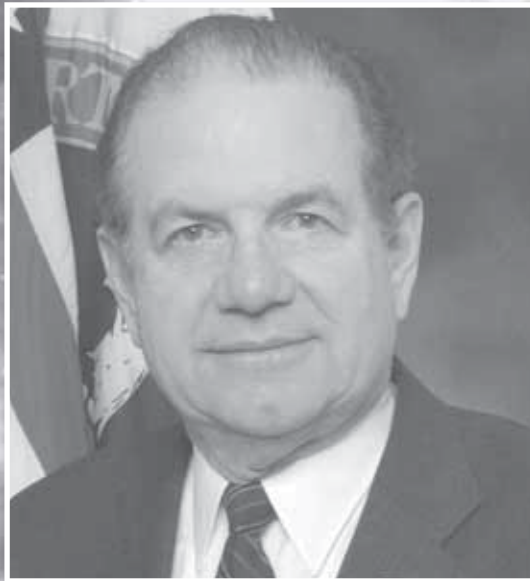
Sponsored by the U.S. Department of Energy (DOE), the National Science Bowl® for Middle School Students is a nationwide academic competition that challenges sixth to eighth grade students to learn about math and science. This fast paced question-and-answer competition encourages students to pursue math and science and choose careers in science and engineering fields. This year marks the sixth anniversary of the National Science Bowl® for Middle School Students, which began in 2002 with seven teams. The middle school event was modeled after its predecessor, the highly successful National Science Bowl® for high school students. Since that time the event has expanded to 30 regional teams and 30 states. Any current public, private, or home school is welcome to form a team and participate in a regional science bowl competition. The regional champions from participating sites receive an all-expense paid trip to Denver, Colorado to participate in the national event. The 2007 national event is hosted by the National Renewable Energy Laboratory and the University of Denver from June 21 – 24 in Denver, Colorado. There are two main activities that take place at the national event an academic science and mathematics question and answer competition and an engineering activity sponsored by General Motors, which challenges students to design, build, and race a model hydrogen fuel cell car. The academic event includes a round robin and double elimination competition; in which teams answer complex questions about life science, physical science, earth science, and mathematics. For the car race, each team is given a fuel cell and motor to construct a model hydrogen fuel cell car. This event challenges the students' engineering and design skills and actively involves the students in understanding technologies important for our future. DOE's Office of Science is the single largest supporter of basic research in the physical sciences in the nation and ensures U.S. world leadership across a broad range of scientific disciplines. The Office of Science also manages 10 world-class National Laboratories with unmatched capabilities for solving complex, interdisciplinary problems. These facilities are used by more than 17,000 researchers from universities, other government agencies, and private industries each year. The DOE supports math and science education to help provide a technically trained and diverse workforce for the agency and the nation. The students in this competition represent the future of this country, and DOE is committed to preparing our nation's students to become the cutting edge scientists of tomorrow.



The General Motors logo, consisting of the letters "GM" in a bold, sans-serif font, with a horizontal line underneath.

Science





Dr. Raymond L. Orbach

Department of Energy
Office of Science
Washington, DC 20585

Office of the Under Secretary for Science

June 21, 2007

Welcome to the United States Department of Energy's 2007 National Science Bowl[®] for Middle School Students and to Denver, Colorado. The Department of Energy (DOE) is pleased to sponsor this competition for the sixth consecutive year.

The DOE Office of Science and its organizational predecessors have played a key role in training America's scientists and engineers for more than 50 years. The students participating in this competition represent the future of our Nation's scientific and technological enterprise. They are the next generation of scientists and engineers, who will discover solutions to the challenges confronting our Nation. The DOE is committed to preparing our Nation's students to become the leading scientists of tomorrow through programs like the National Science Bowl[®] for Middle School Students.

Education is just one way that the Office of Science undertakes its primary mission: the development of cutting edge scientific research at many of the premier research facilities in the world. Researchers at more than 300 colleges and universities nationwide and 17 world-class national laboratories receive support from the Office of Science. The research and development projects conducted by these laboratories are the most sophisticated in the world. Our laboratories and the facilities they support allow the Department to keep America at the forefront of science and technology.

Each of the students participating in this event deserves our congratulations. In a world filled with many distractions, their commitment to science and engineering is commendable. I also extend special thanks to the parents, coaches, volunteers and sponsors whose efforts make this event possible.

In closing, I would like to encourage these young people to continue their journey into the exciting world of science and engineering. Our Nation and the world will benefit.

Sincerely,
Raymond L. Orbach

Dr. Raymond L. Orbach
Under Secretary for Science
U.S. Department of Energy



Printed with soy ink on recycled paper

Elizabeth Lowery



ELIZABETH A. LOWERY
Vice President

June 21, 2007

Welcome to the sixth annual National Science Bowl[®] for Middle School Students. General Motors (GM) is pleased to be co-sponsoring the event with the U.S. Department of Energy and National Renewable Energy Laboratory to foster enthusiasm for learning about science and technology.

GM is committed to promoting and supporting education in the areas of math, science and technology and for many years has supported a strong and diverse base of environment, energy and technology education programs for children in kindergarten through 12th grades. GM also supports higher education in these areas through programs such as Challenge X, an advanced engineering competition. GM was also honored with an Excellence in Environmental Transportation award by the Society of Automotive Engineers for its nationwide educational program, "Fuel Cells: Driving the Future." Developed by Weekly Reader, the curriculum teaches fifth through eighth grade students about hydrogen fuel cells and how they are being developed to meet future energy needs.

I invite you to visit GM's interactive education website which explores environment, science and technology topics with fun and educational themes. Coming this fall, be sure to also look for more information and activities on energy diversity, climate change and advanced transportation technology. Society is facing a historic period in time as we explore alternate sources of energy that are renewable and create less impact on the environment. I encourage you to learn more about these issues and what you can do to be part of the solution. For more information on these and other topics, go to www.GMability.com/education.

At GM, we recognize the important contributions young minds can make to the world. Your participation in this competition and your interest in math and science will go a long way toward finding creative solutions to future challenges.

Good luck and have fun!

A handwritten signature in black ink that reads "Elizabeth A. Lowery".

Elizabeth A. Lowery
Vice President
Environment & Energy



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what everyone sees and
thinking what no one has
ever thought.”*

- Albert Einstein -

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2007

Regional Winning Teams and Hosting Sites

U.S. Department of Energy ~ Office of Science
2007 National Science Bowl® for Middle School Students

Alabama

1. Auburn Junior High School, Auburn, AL – *Alabama School of Mathematics and Science*

Arizona

2. Chandler Preparatory Academy, Chandler, AZ – *Arizona Technology Council*

Arkansas

3. Chaffin Junior High School, Fort Smith, AR – *Arkansas/Oklahoma*

California

4. Challenger School, Newark, CA – *Sandia National Laboratories – California*
5. Challenger School, Sunnyvale, CA – *NOBCCHE/NHU – San Jose*

Colorado

6. Jenkins Middle School, Colorado Springs, CO – *Albuquerque Academy*

Florida

7. Lincoln Middle School, Gainesville, FL – *Florida Solar Energy Center*

Idaho

8. Treasure Valley Math and Science Center, Boise, ID – *Northwest Regional*

Illinois

9. Roosevelt Middle School, River Forest, IL – *Argonne National Laboratory*

Indiana

10. Honey Creek Middle School, Terre Haute, IN – *Indiana State University*

Iowa

11. Central Academy, Des Moines, IA – *Ames Laboratory/Iowa State University*

Maryland

12. Kenmoor Middle School, Landover, MD – *University of Maryland*

Michigan

13. Cleveland Middle School, Detroit, MI – *NOBCCHE Midwest/ Wayne State University*

Mississippi

14. Tupelo Middle School, Tupelo, MS – *Mississippi School for Mathematics and Science*

Montana

15. North Middle School, Great Falls, MT – *Billings Clinic Science Expo*

Nebraska

16. Lux Middle School, Lincoln, NE – *Natural Resources Conservation Service*

New Jersey

17. Gilmore J. Fisher Middle School, Ewing, NJ – *Princeton Plasma Physics Laboratory*

New York

18. Commack Middle School, Commack, NY – *Brookhaven National Laboratory*
19. St. Christopher School, Tonawanda, NY – *Buffalo Museum of Science*
20. Van Antwerp Middle School, Schenectady, NY – *KAPL, Inc./GE Global Research Center*

North Carolina

21. Salem Middle School, Apex, NC – *Students Fueling the Future*

Oregon

22. ACCESS Program at Sabin School, Portland, OR – *Bonneville Power Administration*

Pennsylvania

23. Fort Couch Middle School, Pittsburgh, PA – *North Allegheny School District*

Texas

24. Ann Richards Middle School, Mission, TX – *University of Texas – Pan American*
25. Austin Area Home School, Austin, TX – *Texas A&M University*

26. St. Andrews Episcopal School, Amarillo, TX – *BWXT Pantex Plant*
27. Zachry Middle School, San Antonio, TX – *South Central Texas*

Vermont

28. Woodstock Union Middle School, Woodstock, VT – *University of Connecticut*

Virginia

29. Longfellow Middle School, Falls Church, VA – *Thomas Jefferson National Accelerator Facility*

West Virginia

30. Triadelphia Middle School, Wheeling, WV – *West Liberty State College SMART Center*





*Locate the 2007 Science Bowl
Super Stars*

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Schedule of Events

June 21, 2007 – June 24, 2007

Thursday, June 21, 2007

ARRIVAL AND ORIENTATION

University of Denver
Centennial Halls
1870 S. High Street
Denver, CO 80210

<i>Dress:</i>	<i>Casual Attire—for Arrival</i> <i>School T-Shirts for Group Photo (if available)</i>
11:00 a.m. – 4:30 p.m.	Students, Coaches, and Coordinators Registration— <i>Centennial Halls – Main Lounge</i>
4:45 – 5:45 p.m.	Dinner— <i>Driscoll Center – Village Commons</i>
6:00 – 6:30 p.m.	Welcome Assembly— <i>Centennial Halls – Main Lounge</i>
6:45 – 7:00 p.m.	Group and Coordinator Photos— <i>West Steps of Daniel L. Ritchie Center</i>
7:00 – 9:30 p.m.	Activities— <i>Daniel L. Ritchie Center</i>
9:45 p.m.	Return to <i>Centennial Halls</i>
10:30 p.m.	Lights Out—All Participants Must Be in Their Rooms (Students, Coaches, and Coordinators)



Schedule of Events

June 21, 2007 – June 24, 2007

Friday, June 22, 2007

SIGHTSEEING AND RACING MODEL HYDROGEN FUEL CELL CARS

<i>Dress:</i>	<i>Casual Attire—National Event T-Shirt and GM T-Shirt for Car Race</i>
7:00 – 8:00 a.m.	Breakfast— <i>Driscoll Center – Village Commons</i>
8:15 a.m.	Board Buses— <i>Centennial Halls</i>
8:30 a.m. – 2:30 p.m.	Touring the Colorado Rockies
3:30 – 4:00 p.m.	General Assembly— <i>Centennial Halls – Main Lobby</i> Car Race Rules Fuel Cell Car Workshop Overview
4:00 – 7:00 p.m.	Teacher Workshop: “BioDiesel”— <i>Driscoll Center – Ballroom</i>
4:00 – 7:30 p.m.	Fine Tuning Fuel Cell Cars for Race— <i>Daniel L. Ritchie Center</i> Car Inspections, Interviews, and Knowledge Quiz
5:00 – 7:00 p.m.	Dinner— <i>Driscoll Center – Village Commons</i>
8:00 – 10:00 p.m.	Car Race— <i>Hamilton Gym – Daniel L. Ritchie Center</i>
10:00 p.m.	Return to <i>Centennial Halls</i>
10:30 p.m.	Lights Out — All Participants Must Be in Their Rooms (Students, Coaches, and Coordinators)



Schedule of Events

June 21, 2007 – June 24, 2007

Saturday, June 23, 2007

ACADEMIC COMPETITION

Dress:

7:00 – 8:00 a.m.

8:15 – 8:45 a.m.

Casual Attire—Regional T-Shirt

Breakfast—*Driscoll Center – Village Commons*

Academic Rules Review—*Driscoll Center
– Ballroom*

ROUND ROBIN MATCHES (TWO DIVISIONS OF 8 TEAMS EACH, TWO DIVISIONS WITH 7 TEAMS EACH)

STURM HALL

9:00 – 9:30 a.m.

Round Robin #1

9:30 – 10:00 a.m.

Round Robin #2

10:00 – 10:15 a.m.

Break

10:15 – 10:45 a.m.

Round Robin #3

10:45 – 11:15 a.m.

Round Robin #4

11:15 – 11:45 a.m.

Round Robin #5a

11:30 – 1:00 p.m.

Lunch—*Driscoll Center – Village Commons*

12:45 – 1:15 p.m.

Round Robin #5b

1:15 – 1:45 p.m.

Round Robin #6

1:45 – 2:15 p.m.

Round Robin #7

2:15 – 2:45 p.m.

Tie Breaks (if needed) and Seeding for Double
Elimination

2:45 – 3:00 p.m.

Break

3:00 – 5:00 p.m.

General Motors Vehicle and Hands-On
Activities for Teams Not Advancing to Double
Elimination Rounds



Schedule of Events

June 21, 2007 – June 24, 2007

Saturday, June 23, 2007

DOUBLE ELIMINATION MATCHES

STURM HALL

3:00 – 3:30 p.m.	Double Elimination #1
3:30 – 4:00 p.m.	Double Elimination #2
4:00 – 4:30 p.m.	Double Elimination #3
4:30 – 5:00 p.m.	Double Elimination #4
5:15 – 6:15 p.m.	Dinner— <i>Driscoll Center – Village Commons</i>
6:30 – 7:00 p.m.	Double Elimination #5
7:00 – 7:30 p.m.	Double Elimination #6
7:45 – 9:30 p.m.	Ice Cream Social— <i>Centennial Halls – Main Lounge</i> Pins/Tokens Exchange Autographs and Slideshow
9:30 p.m.	Pack for Return Home
10:30 p.m.	Lights Out—All Participants Must Be in Their Rooms (Students, Coaches, and Coordinators)



Schedule of Events

June 21, 2007 – June 24, 2007

Sunday, June 24, 2007

FINALS AND FAREWELL

Dress:

Science Bowl Polo Shirt with Nice Pants or Skirts, No Jeans

7:00 – 8:00 a.m.

Teams Check Out

7:00 – 8:30 a.m.

Breakfast—*Driscoll Center – Village Commons*

8:45 – 9:15 a.m.

Double Elimination #7—*Davis Auditorium*

9:15 – 9:45 a.m.

Double Elimination #8

9:45 – 10:15 a.m.

Double Elimination #9 (If necessary)

10:15 – 10:30 a.m.

Break

10:30 – 11:30 a.m.

Awards Ceremony and Evaluations—
Davis Auditorium

11:45 a.m.

Teams Depart for Airport



ACCESS Program at Sabin School

Portland, Oregon

Bonneville Power Administration

Team Coach: **Alfonso Garcia** teaches fourth-eighth grade science in the ACCESS Program in Portland Public Schools. Mr. Garcia has been teaching middle school science for nine years. He enjoys spending time with his family. His hobbies include golf and indoor soccer.

Team Members: **Nathaniel Austin** is an eighth grader. His interests and hobbies include playing musical instruments (violin, viola, and electric guitar), reading, playing computer games, listening to music, and sports. He participates in the Metropolitan Youth Symphony, went to the state chess tournament, participates in Science Bowl, and recently won first place in the Environmental Science category at the Intel Northwest Science Expo. His favorite subjects in school are math, science, and social studies. His plans for the future are to attend a college in Southern California or Oregon State University, and eventually obtain a job working as an aeronautics engineer for NASA. Some interesting facts about him are he has the same birthday as former President Jimmy Carter and he is indirectly related to the people who started the Austin Mini Cooper. **David Kim** is an eighth grader. He has participated in the ACCESS Program for about four years. His favorite subjects in school are math and science. Besides school, he plays both the piano and the violin. For the violin, he takes private lessons and plays in an orchestra at the Metropolitan Youth Symphony. He enjoys playing chess, playing football, and learning more science. He was born and currently lives in Oregon. His parents are both descendents from South Korea. He wants to go to Harvard and become a surgeon. After that, he plans to help people in poverty. **Edward Ly** is in the eighth grade. **Nathan Showell** is in the seventh grade. Some extracurricular activities he enjoys are playing the piano, studying Latin, and playing chess. He also composes music and programs computer games. Nathan's favorite subjects in school are math and science. He does not know where he wants to go to college, but he would like to be an engineer. **Caleb Taylor** is in the eighth grade. He enjoys martial arts, music, computer science, and reading. His favorite subject in school is science. He wants to enroll in a pre-medical school so he can get into OHSU and become a doctor.



From left to right: Nathaniel Austin, David Kim, Alfonso Garcia (Coach), Nathan Showell, Caleb Taylor, Edward Ly

Physical Science



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Ann Richards Middle School

Mission, Texas

University of Texas – Pan American



From left to right: *Velia Garcia, Valerie Cabrera, Gus Rivera, Reynaldo Leños, Jr., Jose Pena, Jr., Not pictured: Celeste Moreno (Coach), Gustavo Rivera (Coach)*

Team Coaches: **Celeste Moreno** is an eighth grade science teacher. She has been teaching for seven years and has a Master's in physics and mathematics. Her hobbies include reading, baking, and creating virtual books for her four-year-old son, Nathaniel, and her two-year-old daughter, Makayla. She also likes to go fishing with her husband and kids at South Padre Island. **Gustavo Rivera** is currently on the team as the coach for the car design. He works as a mathematics instructor at the local university. Gustavo also works with local businesses in Web design, computer maintenance, and as a network specialist. When he is not working on his own Web site or on his book, he enjoys wood-working, video games, and eating out.

Team Members: **Valerie Cabrera** is in the eighth grade. She enjoys reading and writing and gets all As in her classes. Valerie is in the National Junior Honor Society and the Drama Club. She frequently competes in the University Interscholastic League (UIL) and went to the Regional Science Fair in Environmental Science. She enjoys playing the violin in the school mariachi and orchestra. In her spare time, she likes to play on the computer and spend time with her friends. She is yet undecided about her college plans, but would like to study literature or medical science in a distinguished university. **Velia Garcia** is in the eighth grade. One of her main hobbies is singing and she is part of the Junior Varsity Choir, where she sings all kinds of music. Another pastime of hers is playing the piano; she believes that learning music along with your normal studies stimulates your mind. She is in AP classes and her favorite topic in science is space. Velia has taken every class that included high school credit. She is hoping to make it to an Ivy League university; she is planning to study something in the fields of either medical science or engineering. **Reynaldo Leños, Jr.**, is in his eighth grade year. Rey has been very active with many school clubs. He and his team traveled to Denver, CO, last year to compete at the National Middle School Science Bowl. Rey has also competed in UIL math, calculator, and science, going to state for calculator for the past three years. Rey is also very active in sports; he loves track. He also enjoys theatre and was in two of the school's productions, including the first place district winning play "John Lennon and Me." He also has been able to maintain an "A" average all school year long. Rey enjoys hanging out with family and friends, going to the movies or just having a good time. In his spare time, he enjoys listening to music, including rock, rap, R&B, and pop. He also likes to read. **Jose Pena, Jr.**, is an eighth grader. He enjoys various types of computer games and Sudoku. He has also been playing the cello for three years. Jose is an active participant in science UIL (in which he made state), Student Council, Orchestra (which made Varsity during this period), and Science Bowl. His favorite subjects are math and science, but he excels in every subject. His goal is to get a Master's degree in mechanical engineering, then go back to school and get a doctorate. **Gus Rivera** is currently an eighth grade student. His favorite subjects include math and science. His plan for the future is to become a successful businessman and engineer. He also enjoys building cars and robots. Gus is currently a member of the Junior National Honor Society, the Chess Club, the UIL math and science teams, the Science Fair Team, and the Science Bowl Team. Gus also enjoys playing music. He is a member of the band, the orchestra, and the school's mariachi group. In his spare time, he enjoys playing with his computer games and his pet.

Life Science



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Auburn Junior High School

Auburn, Alabama

Alabama School of Mathematics and Science

Team Coach: **Mark Jones** is from Auburn, AL, and has lived there all his life. He has two children, Nicholas and Alexis, with his wife, Shannon. Both kids like to play soccer and he loves to coach their teams. His son is well into scouts and Mark serves as his den leader. He and his wife like to travel whenever possible. Mark recently finished his dissertation on implementing inquiry-based science in the classroom, and he has two major publications coming out this summer. He is a nationally certified teacher. In the summer, he likes to teach science classes at camps. In addition, he often gets to work in the Engineering and Science Education Departments at Auburn University.

Team Members: **Charles Browne**, an eighth grader, is 14 years old. He likes skateboarding, scuba diving, and drawing. His favorite subjects in school are math and science. Charles has participated in Science Olympiad and Science Bowl for three years. He is the youngest member of his family. He has two older brothers and his parents are Chuck and Cathy Browne. **Jing Liao** is in the eighth grade. She was born in her parents' village in China, and moved to Michigan when she was in the third grade. There, she had the ability to increase her math skills. When she moved to Alabama, she improved her knowledge of science by studying Science Olympiad and Science Bowl. That is not all to Jing's life — she loves to play sports, especially soccer, and has a black belt in Tae Kwon Do. She also loves to run; it teaches perseverance when she thinks she cannot run but she keeps going. Eighth grader **Lena Liu** is 14 years old. She is an Asian American, and was born in Minneapolis, MN. She currently lives in Auburn, AL. She is an "A" student. She has an amazing family; her dad's name is John, her mom's name is Dongya Gao, her older sister's name is Elise, and her twin sister's name is Lisa. Some of Lena's hobbies are studying, reading, playing the piano, watching TV, and hanging out with her friends. She has participated in many clubs this year, including Science Olympiad, MATHCOUNTS, and Student Council. Eighth grader **Lisa Liu** is an Asian American with a Chinese background who currently lives in Auburn, AL. She is 14 years old and an "A" student. Some of her hobbies include reading, singing, hanging out with her friends, and studying. She grew up in a fun-loving family and also has the best friends she could ever ask for. Lisa has always dreamt of being a doctor. Before she pursues her dream, she plans on reaching her ultimate challenge — attending Harvard University. She takes part in many activities, such as Science Bowl, Science Olympiad, MATHCOUNTS, Student Council, Satori, and piano. **Kevin Xu** is a 14-year-old eighth grader. He enjoys both academic and athletic activities. Some of these include Varsity tennis, piano, reading, watching TV, and Science Olympiad. He also has an older sister who has had a great influence on him.



From left to right, Front row: Lisa Liu, Lena Liu, Charles Browne, Back row: Mark Jones (Coach), Jing Liao, Kevin Xu

Earth Science



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Austin Area Home School

Austin, Texas

Texas A&M University



From left to right: Michael Bryce, Sheldon Nalley, Karen Walters (Coach), Wayne Walters, Daulton Perry, David Coalson, Not pictured: John Gilliland (Coach)

Team Coaches: John Gilliland is a secondary science teacher at Round Rock Christian Academy. He teaches Chemistry, Integrated Physics and Chemistry, sixth grade science, and Bible. He has been teaching secondary science for four years. Additionally, he taught Electricity and Electronics at Tulsa Community College in the early 1980s for two years. He spent most of his professional career as an electrical engineer in the field of telecommunications. He received a Bachelor of Science in electrical engineering from the University of Tulsa and a secondary education degree from Letourneau University. He enjoys reading the Bible and golf in his spare time. He currently is assisting in developing the National Honor Society at Round Rock Christian Academy.

Karen Walters has been home schooling her children for 13

years. Her first son just graduated from Texas State with honors. She earned an Associates degree from Hartnell Junior College in Salinas, CA, and attended nursing school at Austin Community College. She is a former emergency medical technician, swim instructor, and professional volunteer. She runs the Austin Area Homeschoolers Middle School Science Team. She enjoys working with children, sewing, knitting, counted cross stitch, and computers.

Team Members: Michael Bryce is in sixth grade and has been home schooled for four years. He enjoys reading comics and playing soccer. He has been doing Kung Fu for five years and has his black belt. He loves acting, especially in Shakespeare plays. His favorite subjects are math and science and he would like to get a Ph.D. in physics or engineering. David Coalson is a 14-year-old homeschooler in the eighth grade. He enjoys playing video games, being with his friends, reading, and listening to music. He also likes science and math and is on a Math Team. He plans to become an engineer or do something game-related. David also is involved in a robotics program that he thoroughly enjoys. Seventh grader Sheldon Nalley is a 13-year-old home schooled student. Sheldon will soon be the senior councilor of his DeMolay Chapter. He is a member of the Texas Federation of Music and plays piano and trumpet. Sheldon's favorite subjects are science, literature, and math. Sheldon is an avid public speaker and has competed in speech meet events since the first grade. His public speaking skills also came in handy during Government Day 2007, when members of DeMolay across the state wrote, presented, and debated their own legislation in the actual Senate and House chambers. When asked what he wants to be when he grows up, he says either a nanotechnology engineer or the next Robin Williams! Daulton Perry is a sixth grade homeschooler. Some of his many interests include spending time with family and friends, reading, chess, tennis, Ping Pong, video games, technology, and robotics. He is in a chess group, tennis group, and MATHCOUNTS, and he plays piano and is a ball boy for the UT men's Tennis team. He has participated in many organized sports with tennis as his primary focus. His favorite subjects in school are math and science. He is going to be a researcher in oncology, and a competitive tennis player on the side. His goal is to go to either Harvard or UT. Wayne Walters is in the seventh grade, and is home schooled. His main interests are computers, science, and playing video games. He has been dancing tap and hip hop since the age of five. This year, he added ballroom dance to his repertoire. He has been league bowling for nine years and recently competed in the state Pepsi Cola tournament. He is a first class Boy Scout with plans to one day become an Eagle Scout. His favorite subject at school, on TV, and in reading material is science. He enjoys swimming, fishing, and camping. He intends to go to college and hopes to be a biologist or geologist.

General Science

Central Academy

Des Moines, Iowa

Ames Laboratory/Iowa State University

Team Coach: **Tony Voss** is a Secondary G/T Consultant for the Des Moines Independent School District, working with eight middle and high schools. Tony was the K – 12 talented and gifted (TAG) coordinator at Eldora-New Providence Community Schools. Prior to his TAG position, he taught fourth grade in the same system for 12 years. Along with his TAG assignment, he co-taught an American musical theater class, Web page design, multimedia presentations, ACT prep, and general college psychology at the E-NP High School. He was a volunteer trainer for the Tiger football and basketball teams and also co-advised the yearbook staff and student council. Tony received his B.A. from Iowa Wesleyan College and his M.A.E in elementary curriculum from the University of Northern Iowa. He also has a K – 12 TAG endorsement, PK – 12 administrative endorsement, and a music approval.

Tony has also been a foster parent. He was a foreign exchange student and loves to travel. In his free time, he loves playing volleyball and tennis. He enjoys music and does quite a bit of singing.

Team Members: Eighth grader **Alick Feng** goes to Central Academy and Stilwell Junior High. He is 14 years old and is Chinese. He was born in Idaho but has lived in West Des Moines for 11 years. He enjoys school, and his favorite subjects are science and math. His hobbies are watching TV, talking to friends, reading, and playing video games. Eighth grader **Ian Pierson**, 13, was born and lives in Des Moines, IA. He enjoys playing trumpet in the school band and playing piano. Soccer and tennis, along with cross-country, are a few of the sports in which he participates. He also has competed at several math competitions and likes to play video games and read magazines and books. His favorite television shows are "The Office" and "The Colbert Report." His favorite subject in school is science. **Kenny Suh** is 13 years old and attends both Indian Hills Junior High and Central Academy as an eighth grader. His favorite subjects in school are science and math. In his spare time, he likes to read and exercise, especially swim. He plays the piano, is a member of the swim team, and participates in a lot of school activities, like Science Bowl. **Luchang Wang** is an eighth grader. Besides science, she enjoys math (no really!), reading, and violin. Eighth grader **Younan Zhu** was born in China and lived there until he was six. He then moved to Fairfield, IA. After a couple of years there, he moved to West Des Moines. Younan, or Yale, is 13 and attends Stilwell Junior High while going to Central Academy in the afternoon. In his free time, he likes to read, watch TV, and play video games.



From left to right, Back row: Alan Goldman (Interim Director, Ames Laboratory), Ian Pierson, Kenny Suh, Joyce Johnson (Coach), Front row: Luchang Wang, Younan Zhu, Alick Feng, Not pictured: Tony Voss (Coach)

Physical Science



17

Chaffin Junior High School

Fort Smith, Arkansas

Arkansas/Oklahoma



From left to right: Elizabeth Harms, Emily Brown, Meredith Pitsch, Steven Feather, Caroline Chen, Not pictured: Sandy Aaron (Coach)

Team Coach: Sandy Aaron has been a G/T teacher at Chaffin Junior High since 1987 and the G/T secondary coordinator for the Fort Smith district for six years. She received a B.A. in English from Harding University and a M.A. from the University of Arkansas. A rabid Packer fan, she usually manages to attend a game in Green Bay every year. Her seven-year-old smooth collie, Cody, likes taking her for walks, and she also enjoys reading.

Team Members: Emily Brown is an eighth grader. She spends most of her time doing homework, but also enjoys other activities, such as choir, basketball, talking on the phone, and listening to music. She is in Honor Society, Quiz Bowl, Knowledge Master Open, Robotics, and of course, Science Bowl. However, her favorite club that she is involved

in is Fellowship of Christian Athletes. Her favorite subject in school is Algebra I. At college, Emily hopes to major in something in the math or science field, such as engineering, but she has not yet decided on a specific college. Caroline Chen is in the eighth grade. She is in Junior Honor Society and Student Council at school. Also, besides Science Bowl, she is in Quiz Bowl, Knowledge Master Open, and Robotics. Outside of school activities, she plays the piano and violin. She also does Tae Kwon Do and tennis. One of Caroline's favorite subjects in school is algebra. An interesting fact about her is that she can divide by zero...however impossible it may seem. Steven Feather is an eighth grader. He uses most of his time playing basketball with his friends at home; however, he also partakes in activities such as Knowledge Master Open, Robotics, Quiz Bowl, and Science Bowl. He is in societies and organizations such as National Junior Honor Society, Mentoring, and Tutoring. His dream future job would be a chemical engineer. Elizabeth Harms is an eighth grader whose time is occupied with school work. However, she also enjoys writing, dancing, reading, and listening to music. After graduating from high school, she intends to study journalism and become a print journalist for her career. As of now, she plays the clarinet in the Chaffin Junior High Band. Elizabeth listens to all types of music, continues to dance, and will resume dance lessons next year. Meredith Pitsch is in the eighth grade. Other than Science Bowl, she participates in academic activities such as Quiz Bowl, Robotics, and Knowledge Master Open. Athletic teams such as soccer, volleyball, basketball, and track occupy her other hours of the day. Meredith is an avid reader, reading about 100 pages a day. She plans to graduate from high school and study chemical or biochemical engineering at college. She has not yet decided on a college.

Earth Science



18



Challenger School

Newark, California

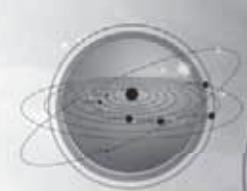
Sandia National Laboratories – California

Team Coaches: **Dipty Desai's** main interest has always been research. Her Ph.D. work at the University of California, San Francisco was on the "Regulation of Cell Cycle Proteins and Their Role in Cancer" while her Post Doctoral fellowship through HHMI at Stanford University allowed her to conduct work on "High Throughput cDNA Screening of Whole Genomes for Differential Expression of Proteins in Normal Versus Cancer Cells." She currently works with pharmaceutical and biotech firms in India and the USA, carrying out collaborative research and development projects. Dipty has taught biochemistry and applied microbiology at the college level. She has coached the Science Olympiad and has also helped coach the Science Bowl, Odyssey of the Mind, and Challenger Robotics Teams. **Raji Pingali** hails from a family of teachers. She is a chemist by education (Ph.D. from Texas Tech University), and a software engineer by profession. Her interests range from science activities for school children to classical Indian music. She keeps herself busy by volunteering for various community services, like the homeless shelter, Hindu temple, and chess tournaments. She has introduced several programs to Challenger School children and has been the coach for some of the activities, such as Odyssey of the Mind, Science Olympiad, Math Olympiad, MATHCOUNTS, Science Bowl, and Chess. In her spare time, she loves to read and listen to music.

Team Members: **Nikhil Desai** is in the seventh grade. He has varied interests and hobbies, ranging from science and robotics to skiing and music. He especially enjoys participating in competitive events, including National Geographic Bee, Math League contests, Science Olympiad, and Science Bowl. In addition, he also likes to participate in non-academic contests, like the First Lego League Robotics and Odyssey of the Mind, where his team has advanced to State and World Finals. Nikhil's favorite subjects are, by far, math, science, and computer programming. He hopes to combine these interests in the future during his college education. **Tanay Kothari** is an eighth grade student. He is the president of the Students Club and the captain of the Science Bowl Team. Along with Science Bowl, he participated in the First Lego League Robotics competition and Science Olympiad. His interests and hobbies include video games, Karate, guitar, baseball, and robotics. His favorite subjects in school are history and math. In his spare time, he likes to read, play guitar, and play baseball. His future plan includes a career in politics. **Aditya Limaye** is a seventh grade student. His favorite subjects are chemistry and physics, and he loves to experiment. He has also participated in the First Lego League Robotics competition, Odyssey of the Mind, and Science Olympiad. Outside school, he loves to play his guitar and has a passion for football. Chess is one of his favorite pastimes, and he loves to curl up with a good book, preferably science fiction. His aspirations include going to a good college such as UC Berkeley or MIT, and getting a doctorate in chemistry. **Arun Pingali** is a seventh grade student. He enjoys playing many sports, such as soccer, basketball, and table tennis. He has been an active participant in the Odyssey of the Mind creative competition for the past four years, recently winning one of their top awards, "The OMER award" for exceptional talent. He is working toward his black belt in Karate. He likes to exercise his brain by playing chess and participating in chess tournaments. He is a student of Indian classical music, learning to play the percussion instrument Tabla. His favorite subject is math. His future plan includes getting an advanced degree in math/computer science.



From left to right, Front row: Arun Pingali, Tanay Kothari, Aditya Limaye, Nikhil Desai, Back row: Raji Pingali (Coach), Dipty Desai (Coach)



Challenger School Sunnyvale, California

National Organization of Black Chemists & Chemical Engineers/National
Hispanic University – San Jose



From left to right: Ankit Aggarwal, Sunil Bopardikar (Coach), Rohan Bopardikar, Ankur Das, Debnil Sur

Team Coach: Sunil Bopardikar is a software entrepreneur and executive based in Silicon Valley who has brought several products to market. In addition to mentoring, motivating, and managing key personnel and global teams, he likes to mentor kids towards playing a leadership role in protecting our environment and develop in them a keen interest in technology to solve many of our problems.

Team Members: Ankit Aggarwal is in the seventh grade. He achieved 12th place at the state round of the National Geographic Bee. He has participated in several sports, including basketball, tennis, Tae Kwon Do, and fencing. His favorite subjects are math and science. Rohan Bopardikar is a seventh grader. He loves basketball, tennis, music, Nintendo Wii, good movies, and traveling. His favorite subjects are math, science, and computer programming. Ankur Das is

in the seventh grade. He has gone to CTY for two years in a row, and received a high score in the state math examination. He enjoys several sports, including tennis and swimming. He is extremely renowned around the school for his skill in chess. Debnil Sur is a sixth grader. His favorite subjects are math and science.

Physical Science



20

Chandler Preparatory Academy

Chandler, Arizona

Arizona Technology Council

Team Coaches: **Duncan Aepli** earned a B.S. degree in geology from Baylor University. He completed his undergraduate education by preparing and defending a thesis on the *Biostratigraphy and Paleogeology of the Grayson Formation, Central Texas*. Following a brief stint in the oil industry, he returned to Arizona to pursue a career in the environmental consulting industry, where he specialized in the investigation and remediation of surface and subsurface contamination issues. He has extensive knowledge of the geosciences, scientific processes, and environmental issues. Mr. Aepli obtained a M.B.A. degree from Arizona State University and holds a professional designation as an Arizona Registered Geologist. Most recently, he has been teaching Earth Science at Chandler Preparatory Academy and Geology as an Adjunct Professor in the Maricopa Community College system. **Kiann Robinson**

Mapes is currently the biology teacher and assistant headmaster for Chandler Preparatory Academy. At a sister academy within the network of Great Hearts schools, she taught music theory and biology courses, and served as the head of the Music and Science Departments for nine years. She earned her undergraduate degree from Peabody Conservatory and Johns Hopkins University, and her Master's from Arizona State University, with coursework in both music performance and biological science. She is a musician specializing in early music and historical performance, having taught and played Baroque flute at ASU and with ensembles throughout the Southwestern U.S. She serves as a curriculum consultant and director of teacher orientation and professional development for Great Hearts Academies. Kiann resides in Mesa, AZ, with her husband, Steven, and three-year-old daughter, Gressa.

Team Members: **Jeremy Gin**, 13, is in the eighth grade. He loves to play and teach chess. For sports, Jeremy fences and enjoys basketball. He hopes to stay in state for his college career to attend the University of Arizona, where both his parents attended. Jeremy's favorite subjects include math, science, literature, and foreign language (Latin/Spanish/Chinese). In addition to his involvement in Science Bowl, Jeremy teaches the Chess Team at Chandler Prep. He loves to play with his dog and hang out with his cousins and friends. **Paras Mehta** is a seventh grader. Some of his hobbies and interests include playing on the computer, tinkering with technology, basketball, reading, playing video games, ancient history, math, and science. He has been on the basketball team and the Science Bowl Team. His favorite subjects in school are art, life science, math, and ancient history. He plans to major in business, history, and science. He is a huge fan of the Phoenix Suns, and loves the *Inheritance Trilogy*, *Harry Potter*, and *Artemis Fowl*. **Pamela Osborn-Popp** is in the seventh grade. Her favorite subjects are life science, ancient history, and art. In her free time, she plays piano and guitar and participates in the Jazz ensemble. Pam is involved in many improvisation classes and plays. This past year, Pam played volleyball and plans to do so again in eighth grade. She would like to pursue either orthodontia or something in the field of genetics for college and graduate school. Pam is thrilled to take part in this experience and cannot wait to go to Colorado! **Matthew Vendl** is an eighth grade student. He enjoys all of his classes, but has an extra fondness for science and math. Outside of school, he plays ice hockey at the Bantam level. Matthew also enjoys classes at The Phoenix Zoo and has applied for their ZooTeen Program. His interests include animals, technology, photography, history, and sports. Matthew is an avid reader of nature magazines and loves to travel.



From left to right: Kiann R. Mapes (Coach), Pamela Osborn-Popp, Paras Mehta, Matthew Vendl, Jeremy Gin, Jonathan Hui, Not pictured: Duncan Aepli (Coach)



21

Cleveland Middle School

Detroit, Michigan

National Organization of Black Chemists & Chemical Engineers Midwest/
Wayne State University



From left to right: Ajharulislam Khan, Ashley Powell, Shajiya Uddin, Kieshana Spencer, Paula Sarratt (Coach)

Team Coach: Paula Sarratt has been teaching in the Detroit Public School District for seven years. She has spent her entire career at Cleveland Middle School. She is the coach for the Science Club and Step Team. She is also the advisor for the yearbook, the after school computer class (TechKnow), and tutoring. She graduated from Eastern Michigan University and Marygrove College. She enjoys photography, doing community service, collecting art, and elephants.

Team Members: Ajharulislam Khan is currently in the eighth grade. He likes to play on the computer, play video games, draw cartoons, and play basketball. He also participated in the eighth grade Science Fair and won first place. He is in Academic Games and the Wayne State University Math Corps. Mathematics and science are his favorite subjects. He plans on becoming a pediatrician and intends on going to Wayne State

University. Some interesting facts about him are his favorite color is blue and he likes the *Harry Potter* series. Ashley Powell is in the eighth grade. Her favorite subject is science. She thinks science is so fun and opens your mind to explore the world. Besides being in the Science Club, some of her hobbies include writing poems and listening to music. After she graduates from high school, she plans to go to college and major in journalism. Kieshana Spencer is in the eighth grade. Her favorite subject at school is math. She thinks math is hands-on and has a lot to do with all subjects. Besides being in the Science Club, she is the Student Council president and a member of Social Studies Club and Drama Club. Some of her hobbies are singing, dancing, writing, and listening to music. After she graduates from high school, she plans on going to college and majoring in medicine. Shajiya Uddin is 13 years old and currently in the eighth grade. Her favorite subjects in school are reading and English, Spanish, and science. She has been in many school activities/clubs, such as Science Fair, Science Club, and Teachers' Aide. Her interests and hobbies include playing floor hockey, listening to music, or just hanging with friends. Her future plans are to attend Wayne State University and become a pharmacy technician or a medical doctor. Her favorite color is sky blue and her favorite food is pizza. She loves reading mystery books.

Earth Science

22

Commack Middle School

Commack, New York

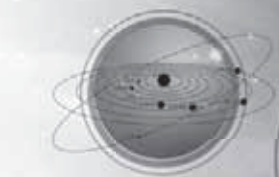
Brookhaven National Laboratory

Team Coaches: **James Engeldrum**, as a science teacher for 24 years, has taught a variety of courses to students in grades 7 through 12. He is currently the K – 8 Science Coordinator for the Commack School District. He received a Bachelor of Science degree in biology from the University at Albany, a Master of Science degree in secondary education from Dowling College, a School District Administrator Certificate from Dowling College, and many graduate credits from Stony Brook University. He has been an advisor for student research as well as for the National Science Olympiad and Ecology Club. His hobbies include fishing, skiing, traveling, and gardening. **Charles Regulinski** is a science educator at Commack Middle School. He has taught Earth Science for three years and this is his second year coaching a Science Bowl team. He graduated cum laude from Cornell University in 2001, receiving a Bachelor of Science in atmospheric sciences. Additionally, he received a Master of Arts in teaching from Stony Brook University in 2004. Before entering the world of teaching, he worked as an equities trader on the NASDAQ exchange. When he is not teaching, he enjoys skiing, hiking, woodworking, and gardening.

Team Members: **Joshua Krongelb** is an eighth grade honors student. He is a member of many school clubs, including Math 24, Math Team, Select Band, Jazz Band, Moot Court, and National Junior Honor Society. He enjoys playing tennis, playing the trumpet, reading, puzzles, and watching TV. His favorite subjects in school are math and science. He also enjoys doing magic in his spare time. **Kyle Lee** is an eighth grader. He likes video games and sports. He participates in the Chess Club and Weather Club. He loves the subject of social studies. Eighth grader **Christina Misoulis** is an honor student. She participates in many school activities, including Student Government, lacrosse team, and volleyball team. Christina is also very active in her church Youth Program, where she is a member of the basketball, soccer, and volleyball teams. Additionally, the Youth Program continues to support various local and national charities, including Habitat for Humanity. **Erica Portnoy** is an eighth grade honors student. She is involved in many activities, both in and out of school, including the school track team, Debate Team, National Junior Honor Society, and travel soccer. She aspires to pursue a career in law after college. **Michael Zhang** is in the eighth grade. He enjoys playing basketball in his spare time. His favorite subjects in school are math and science. Michael plans to become a pediatrician when he grows up.



From left to right: Charles Regulinski (Coach), Michael Zhang, Kyle Lee, Joshua Krongelb, Christina Misoulis, Erica Portnoy, Not pictured: James Engeldrum (Coach)



Fort Couch Middle School

Pittsburgh, Pennsylvania

North Allegheny School District



From left to right: Colin Burns, Jason Wassel, Gregory Williams, Matt Vernacchia, Patrick Davis, Not pictured: David Silvers (Coach)

Team Coach: David Silvers has been working with the gifted classes for the past two years. He brings to the program 31 years of teaching experience — 20 years in the classroom and 11 years as a reading specialist. His elementary certification, Master's in reading supervision, and recently acquired multimedia technology certification have prepared him well for the "challenge" of working with his students. His hobbies include recreational boating as well as fishing. Computers, photography, and his first grandson also occupy a large portion of his spare time. His team is very excited to represent the region at the competition in Denver.

Team Members: Colin Burns is an eighth grader. He is an avid skier who loves Frisbee, music, and world traveling. Colin is also an actor and has had leading roles in local

productions of "The Wiz," "Mamma Mia," and Disney's "High School Musical." He has a small speaking part in a feature film set to come out on DVD this fall. This is Colin's first year participating in the Science Bowl competition, and he is excited to be in Denver. **Patrick Davis** is in the eighth grade. His favorite period of the day is lunch, although he enjoys, math, science, and Challenge classes as well. He plays soccer for the Beadling Soccer Club, the PA West ODP program, and his township, and he swims competitively for Upper St. Clair's swim club. In his free time, he enjoys snowboarding, golfing, playing video games, and paintball. He plans to attend a large university to study medicine. Eighth grader **Matt Vernacchia** was born in Pittsburgh, PA, and lived there until he was four, when his family moved to Horseheads, NY. He was home schooled through third grade and then went to the Chemung Valley Montessori School. At the beginning of eighth grade, he moved back to Pittsburgh. He has always been interested in science and geography. He participated in the National Geographic Bee for five years and made it to the state level three times. He plays soccer and does archery. He is also interested in medieval warfare and has built a crossbow and catapult. Because he enjoys science and building and designing things, he plans to study architectural engineering in college. **Jason Wassel** is an eighth grade student. His favorite subject in school is math, probably because of his teachers. He is on two township soccer teams, two baseball teams, runs cross-country, plays basketball, and swims. He plays two instruments, piano and trumpet. Jason wishes to attend the University of Florida and become a computer software engineer or a nuclear engineer. **Gregory Williams** is in the eighth grade. He enjoys many sports. His favorite teams are the Pittsburgh teams. During middle school he was on the track team and the swim team. In high school, he plans to be on the golf team. Foreign language is one of his favorite subjects. He is greatly looking forward to the competition.



Gilmore J. Fisher Middle School

Ewing, New Jersey

Princeton Plasma Physics Laboratory

Team Coaches: **Paula Rosenzweig** is a graduate of the William Paterson College of New Jersey. She has 25 years of experience teaching middle school science in Maryland, Pennsylvania, and New Jersey. She has been teaching at Gilmore Fisher Middle School in Ewing, NJ, for the past 13 years. She is married with two grown sons. Her hobbies include reading and gardening. **Judy Czarniecki**, aka "Ms. Czar," is an eighth grade science teacher at Gilmore Fisher Middle School. In her 25 years of teaching, she has taught biology, earth and space science, physics, and chemistry. She is presently one of the advisors for Fisher's Middle School Science Bowl Team and has recently retired from being the NJ Spontaneous Captain for Odyssey of the Mind. Her hobbies and interests include snorkeling, hot air balloons, and orchids. An alumnus of Trenton State College (now known as The College of New Jersey), she majored in biology and education, earning a B.S. and M.Ed. in those areas. Being a Dodge Fellow has allowed her to study peccaries in the semi-deciduous forests in Brazil and whales and dolphins in the Bahamas.

Team Members: **Jeffrey Bosley** is an eighth grader and his favorite subjects are math, science, and social studies. His interests include computers, video games, football, and hanging out with his friends. His hobbies consist of Brazilian Ju-jitsu and various church activities. He intends to go to a college, majoring in computer graphics and animation. His future plans are to move to Tokyo, Japan, and work at the headquarters of Square Enix, a video game software engineering company. **Roma Gandhi** is in the seventh grade. Her hobbies and interests include playing the piano, drawing, math, science, reading, and playing hockey. She is involved in the Game Club, Mastermind Club, Sign Language Club, and Middle School Science Bowl Club. She has also attended the competition in 4-H and won pieces of gold at the end of her camp trip. Her favorite subjects are math, science, social studies, French, and reading. She plans to attend Harvard University and become an actress or a singer. **Veronica Gould** is an eighth grade honor student. She enjoys bursting into song, volunteering at her church, and babysitting. She participates in many extracurricular activities, including Art Club and Student Leadership Corps. She also plays the flute in the school band and sings soprano in the choir. Her favorite subjects are math and writing. Her future plan for college is St. Olaf's College and possibly earning a doctorate degree. She is excited about attending the Center for Talented Youth during this summer. **Daryian Kelton** is a seventh grader. His hobbies include playing the drums, dancing, and being an aspiring producer. He loves music and he has started his own music group. Daryian admires his birthday because he shares the same birthday as Dr. Martin Luther King, Jr. **Joseph Sikorski** is a seventh grader who loves spending time outdoors. His favorite subjects in school are science, writing, and math. He belongs to the Varsity wrestling and track teams, plays extreme scootering, and spends time at the skate park practicing new tricks with his friends. He loves classic Ford Mustangs and he is saving money to purchase one. His future plan is to attend MIT or Rutgers. He hopes to become a scientist but still does not know which field to study — perhaps robotics!



From left to right: Roma Gandhi, Jeffrey Bosley, Veronica Gould, Joseph Sikorski, Daryian Kelton, Not pictured: Judy Czarniecki (Coach), Paula Rosenzweig (Coach)

Physical Science



25

Honey Creek Middle School

Terre Haute, Indiana

Indiana State University



From left to right, Front row: Ian Francis, Julie Bittar, Joseph Botros, Michael Mardini, Mark Botros, Back row: Bob Fischer (Coach), Carol Tolin (Coach)

Team Coaches: **Bob Fischer** has a Master's degree in math education from Indiana State University with an endorsement in gifted education. He teaches in the Gifted Program and has an individualized mathematics program for the sixth, seventh, and eighth graders at Honey Creek Middle School. He also coaches the school MATHCOUNTS team as well as the boy's tennis team. He enjoys bridge, chess, long hikes in the woods, and travel. He will be spending part of this summer in Austria, Italy, and Croatia. **Carol Tolin** has a Master's degree in biology from Indiana State University. She teaches sixth, seventh, and eighth grade students in a gifted and talented program at Honey Creek Middle School. She feels so fortunate to have a job that she loves to go to every day. She enjoys gardening, golf, swimming, tennis, and

bridge. She is currently working on her accounting degree at a local junior college.

Team Members: **Julie Bittar** is a seventh grader. Her hobbies include tennis, dance, swimming, and running. She wishes to attend Harvard or Yale University to become a cardiologist. Her favorite subjects include math, science, and English. Julie has enjoyed participating in Science Bowl and MATHCOUNTS competitions. She hopes to continue being an exceptional academic scholar. **Joseph Botros** is an eighth grader. He enjoys acting, writing, and playing soccer. He has been on the winning National Science Bowl® Team for two years in a row. He also participates in MATHCOUNTS, Geography Bee, and other academic competitions. He hopes to go to an Ivy League college, but is not sure what career he would like to pursue. **Mark Botros** is a seventh grader. He plays soccer and tennis on school teams and participates in academic competitions such as MATHCOUNTS. His favorite hobby is spending time with friends. Mark also has a brother who has won the National Middle School Science Bowl twice before. He hopes to be an inventor someday. **Ian Francis** is a seventh grader. He enjoys reading, computers, riding his bike, soccer, soccer refereeing, and science. In his spare time, he helps his parents around the house and manages the family garden. His favorite subjects at school are, of course, science and P.E. His goals include becoming either a lawyer or a physicist and going to a somewhat esteemed college. **Michael Mardini** is a seventh grader. He enjoys being with his friends. He participates in MATHCOUNTS as well as Middle School Science Bowl. His favorite subjects are math and science. He hopes to go to a good college, though he is not sure what he is going to do.

Life Science

26

Jenkins Middle School

Colorado Springs, Colorado

Albuquerque Academy

Team Coaches: **Diana Biggs** received her undergraduate degree in elementary education from The College of William & Mary in Williamsburg, VA, and her Master's in teaching natural sciences from Colorado College in Colorado Springs. She became interested in teaching while doing summer work at day camps and as a swimming instructor when she was in high school. In 1989, she became the teacher at a one-room school in Tendoy, ID. In 1990, she returned to Colorado to be with family and was part of the initial staff at Jenkins Middle School, where she has taught science for six years. In 2005, she spent two weeks in Oasca, Hungary on an Earthwatch Fellowship, doing bird banding for the Europe-Africa Migratory Song Bird Flyway. In her spare time, she is a licensed wildlife rehabilitator and volunteer for the Colorado Division of Wildlife. **Matthew Von Thun** earned his degree in engineering physics from the University of Colorado. He is a volunteer coach for Science Olympiad, Science Bowl, and Soccer. He also teaches middle school students at his church. He currently works at Aeroflex Corporation designing analog integrated circuits for spacecraft.

Team Members: **Ryan Davis** is in the seventh grade. He was born in San Diego, CA, and moved to Colorado at the age of three months. His hobbies are paintball, building model cars, and his favorite sport, BMX. He races at Pikes Peak BMX most Sundays. He is involved in Science Bowl, and on Tuesdays when he is off school, he goes to a nursing home with his godmother and sings to Alzheimer's patients. His favorite school subjects are science and math. In the future, he plans to become a pilot in the Air Force. For college, he plans to go through ROTC at Louisiana State University. **Tim Murphy** is an eighth grader who prefers math and science, both subjects in which he excels. Tim is in Science Bowl and Science Olympiad at school. He also sings with the Colorado Springs Children's Chorale, a professional choir that performs concerts almost weekly and travels all over Colorado and across the U.S. In his free time, he likes to socialize with his friends and play strategy games, either video or board. Since Tim was four, he has had a fascination with space and planets and his goal is to be the first man to walk on Mars. Although he may not be the first, he is still intending to pursue a career in aerospace. He hopes to attend the U.S. Air Force Academy. **Emily Ransom** is a seventh grader. She is a member of the Show Choir, and plays soccer and volleyball. Emily is active in her church and teaches a three-year-old class in religious education. Her favorite subjects in school are math and science, and she hopes to be a doctor someday. To achieve that goal, she wishes to attend Stanford University. **Josh Twede** is an eighth grader who is interested in science and math (such as robotics, aerospace, and biology). Besides Science Bowl, he does Science Olympiad. In school, he enjoys advanced science class and the geometry class he is in, which is two years ahead of the normal math class. He has not yet found anything specific he would like to do for his career, but he plans to work for a non-profit research company that does research for the government. He has also learned the basics of trig and differential and integral calculus in seventh grade for fun. In his spare time, he likes designing many types of different technologies and devices on any subject he is learning about or interested in. **Scott Von Thun** is an eighth grade student who considers Science Bowl, Science Olympiad, and Industrial Technology to be the most important reasons to attend middle school. He has always loved designing and building things. He began making computers from paper and tape when he was two, and is currently designing a working submarine. Scott enjoys soccer and playing trumpet in Jazz band. He hopes to be an aerospace engineer in the future.



From left to right: Emily Ransom, Scott Von Thun, Ryan Davis, Tim Murphy, Josh Twede, Diana Biggs (Coach), Not pictured: Matthew Von Thun (Coach)

Earth Science



27

Kenmoor Middle School

Landover, Maryland

University of Maryland



From left to right: Dejen Mengis, Heagan Ahmed, Moses Gurman, Robert Shafer, Priyanka Jayanti, Not pictured: Triva Haley (Coach)

Team Coach: **Triva Haley** is a graduate of Johnson C. Smith University. She has been in the field of education since 2001. Currently, Ms. Haley teaches seventh/eighth grade science at Kenmoor Middle School, where she serves as the Science Bowl sponsor. Other duties include, but are not limited to, girls' basketball coach and B.U.G. Club sponsor. She teaches during the summer as a part of the city's enrichment program. Outside of education, she stays active in her community by volunteering at the local Boys and Girls Club and participating with youth activities at her church. Her current interests include Christian fellowship, listening to music, reading, cooking, traveling, and shopping. Ms. Haley is a member of Delta Sigma Theta sorority. Her motto is "Students should be given the opportunity to learn and grow

so they can reach their potential." Her future goals are to assist with developing scientific curriculum throughout Prince George's County and D.C. public schools.

Team Members: **Heagan Ahmed** is a 13-year-old boy who is currently in the eighth grade. He enjoys watching TV (comedy shows), playing sports, and playing video games. His favorite subjects are geometry, science, and physical education. Some of his hobbies are playing the violin and piano. Heagan's favorite food is pizza. He plans to attend MIT or UMBC, majoring in the medical field with a minor in engineering. Eighth grader **Moses Gurman** is a 13-year-old boy. He enjoys playing soccer, rocking out with his band, fencing, and dancing. His favorite subject is reading and dramatic arts. Some of Moses' favorite things are, "The White Stripes" and ice cream. His idol is actor Robin Williams for his eccentric style and skill on camera. His future plans include entering the profession of psychiatry and creating an independent label for his current band. Eighth grader **Priyanka Jayanti** is a 13-year-old girl. She skipped kindergarten. Her hobbies are being a goalie for her soccer team and Indian dance, called Bharathanatyam. She is a part of a variety of extracurricular activities, including National Junior Honor Society, Science Bowl, and B.U.G. Club. Priyanka likes to listen to all types of music and loves to draw and paint in her spare time. In the future, she wants to be an architect and design buildings with an Indian influence. Eighth grader **Dejen Mengis** is a 13-year-old boy. He is a part of a soccer team and basketball team, and president of National Junior Honor Society. He loves watching sci-fi movies, reading, the outdoors, hip-hop, and rock music. His favorite subject is math. Dejen's favorite food is pepperoni and jalapeno pizza. He is undecided about his future academic plans and career. **Robert Shafer** is a 13-year-old boy who is currently an eighth grader. He is a member of the Chess Club and an active participant of the Science Bowl Team. He enjoys reading, playing the cello, video games, and chess. His favorite subjects are science and U.S. history. His favorite food is pizza. Robert plans to attend MIT.

General Science

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Lincoln Middle School

Gainesville, Florida

Florida Solar Energy Center

Team Coaches: **Michael Gamble** is currently an assistant principal at Lincoln Middle School. Previously he worked at Westwood Middle School. His background is in social studies. He earned his Bachelor's degree in history at the University of Florida. Prior to becoming a teacher, he was in the Air Force and was stationed on a carrier for his tour of duty. He enjoys Cuban cooking and has become fluent in Spanish after marrying his Cuban wife. For pleasure, he cheers on the Florida Gators and goes for bike rides. **Roberta Harbrucker** has been teaching in Florida since 1982. She has taught seventh and eighth grade science, biology, environmental science, chemistry, and general science. She has been the tenth grade sponsor, the cheerleading sponsor, and an assistant softball coach. She attended Missouri State University and received a B.S. in Ed. in biology in 1979. She has done graduate work in microbiology at the University of Florida. Camping, hiking, and cycling are her favorite outdoor pastimes. Currently, she teaches eighth grade science at Lincoln Middle School.

Team Members: **Matthew Banks** is a seventh grade student. He has a well-deserved interest in science as his father is an engineer. He enjoys building and designing things, such as hydrogen fuel cell cars. He enjoys science, especially the experiments. **Hohyun Jeon** is in the eighth grade. His interests and hobbies include reading, building plastic models and electronics, playing the guitar and the trumpet, and playing soccer and golf. His favorite subjects are writing and science. He is involved in All County Honor Band, Mu Alpha Theta, Science Bowl, and Teen Court. He has several Mu Alpha Theta awards and he is first chair in the school Symphonic band. He plans to go to MIT to major in engineering. He would then like to research future electronics, invent, and write. **Rachel Keen** is in the seventh grade. Her favorite subject is geography. She is in an Improv troupe. Her hobbies include art, astronomy, dermatology, and swimming. **Bryan Li** is in the eighth grade. His favorite classes include AP Statistics, science, and French. He participates in MATHCOUNTS, Mu Alpha Theta, and the National Junior Honor Society. His hobbies include playing golf and playing video games. In his free time, he also plays sports such as basketball and football. He travels to China regularly to visit his relatives. **Alexander Sappington** is in the eighth grade. His interests include clarinet, math, science, and basketball. He is involved in the Florida All-State Band, National Junior Honor Society, MATHCOUNTS, and Mu Alpha Theta. His favorite subjects in school are science, algebra, and statistics. He would like to attend Stanford University and major in mathematics. He would then like to be a statistician. Alexander presently takes math classes at Buchholz High School. He has made the Florida All-State Band in both seventh and eighth grades.



From left to right: Adrienne Thieke, Hohyun Jeon, Rachel Keen, Alexander Sappington, Bryan Li, Matthew Banks, Roberta Harbrucker (Coach), Not pictured: Michael Gamble (Coach)



Longfellow Middle School

Falls Church, Virginia

Thomas Jefferson National Accelerator Facility



From left to right: Scott VanBenschoten (Coach), In Young Cho, Sin Kim, Rohan Ramnath, Thalia Aoki, Xavier Ferrier

Team Coach: Scott VanBenschoten is the coach of the Science Bowl and Science Olympiad Teams. He is a graduate of The College of William & Mary with a degree in biology and history. Mr. VanBenschoten, or "Mr. V." as his students call him, is extremely passionate about teaching science. He recognizes the need for the United States to increase the number of young students pursuing the sciences in order for the country to remain competitive in the global market. For that reason, he is currently working to expand the Science Olympiad program in the state of Virginia in an effort to get more students excited about science.

Team Members: Thalia Aoki is a 13-year-old girl in the eighth grade. She has attended a Gifted and Talented Center since third grade, and has been in all honors classes. Thalia is

currently taking Algebra I and French I. She is Jewish, and enjoys participating in her school's Science Olympiad and Knowledge Masters programs. Her favorite activities are sleeping and reading, especially fantasy and historical fiction. Thalia also likes playing with her sisters and emailing her friends. She enjoys school, and although her favorite subjects are history and science, she also loves English and is a big fan of Oscar Wilde. **In Young Cho** is currently an eighth grader. She has been a part of the GT program and used it to nurture her interest in math and science. She takes Algebra II/Trigonometry and a supplementary course where she pursues topics that she chooses. She participates in MATHCOUNTS and was the captain since the sixth grade. She actively participates in Science Olympiad, plays the piano and the violin, and volunteers at a local nursing home. She hopes to pursue medicine in college and to be an active member of the world's scientific society in her later life. **Xavier Ferrier** is a 13-year-old student and an eighth grader at this prestigious school in Northern Virginia. Xavier was born in Montréal (Québec), Canada and moved with his family to the United States when he was two. Whilst he learned French as his first language, he started preschool at the age of three and quickly acquired a facility of expression in English. Today he is taking Spanish and two other high school classes. He is adept in mathematics, but uses it as a tool for his main passion, science. He applied and was accepted into Thomas Jefferson High School for Science and Technology, a prominent school in Northern Virginia. Xavier has accomplished many things in his short life and more is sure to come. **Sin "Andrew" Kim** is an eighth grade student. He is optimistic and confident and enjoys playing violin and swimming. During the 2005 – 2006 school year, Andrew participated in MATHCOUNTS, where he won a first place individual award, and Science Olympiad, where he won a gold medal in Virginia Science Olympiad and a silver medal in the national competition. An "A" student in school, Andrew keeps very good friendships with his peers and teachers. For math, he is in both Algebra/Geometry and the four-people Algebra II/Trigonometry class. Andrew is the founder of the Longfellow Computer Science Club this year. In the summer, Andrew goes to CTY and extreme adventure camps. He wants to study genetics in the future and help millions of people who need cures for many diseases. **Rohan Ramnath** is an eighth grade student. He is a member of the outstanding Science Olympiad Team and enjoys it thoroughly. Rohan is a member of the National Junior Honor Society, the Symphonic band, and is first chair alto saxophone player in the Junior All District Band. Sports are also a major part of his life. He plays golf, basketball, and soccer. Rohan's dream is to earn a golf scholarship to Stanford University just like his idol, Tiger Woods. His favorite subjects in school are science and math.



Life Science

30



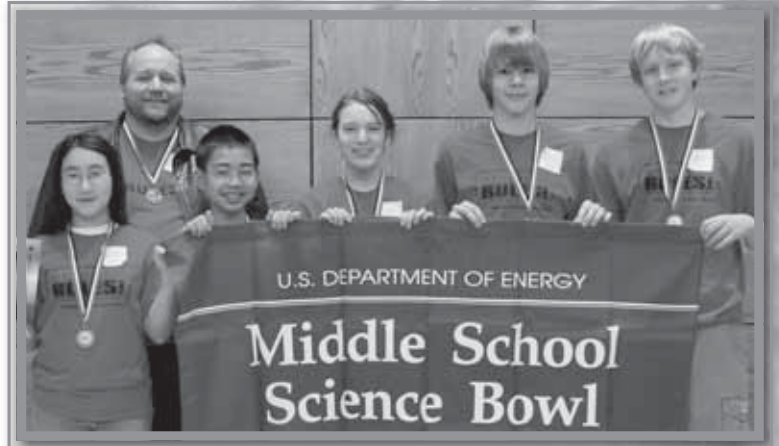
Lux Middle School

Lincoln, Nebraska

Natural Resources Conservation Service

Team Coach: **Rich Powers** earned his B.S. in middle level education and his M.A. in curriculum and instruction at the University of Nebraska – Lincoln. He has been teaching for 17 years as a middle school science and technology teacher and enjoys finding new ways to integrate technology into the classroom. He has coached National Science Bowl® and National Science Olympiad teams in the past and really likes to see the wonderful creativity, positive attitude, and hard work generated by his teams. Rich, his wife, and four children live in a small community where they enjoy church, sports, and family activities.

Team Members: **Sam Karas**, an eighth grader, is involved in drama, Jazz band, and Debate. She likes to study Japanese, and practice Tae Kwan Do, golf, theatre, and writing in her spare time. Her favorite subjects are English and foreign language because she believes that you need them in order to understand anything else. She would like to be a history teacher or be a creator/director of a television series someday. **Manizha Kholmatov** is a seventh grader and loves Science Bowl. She swims for Heartland Aquatics and likes to read in her spare time. Math and science are her favorite subjects because they are so intriguing. She plans to go to college, then medical school, and then become a doctor or a surgeon. **Kevin Koch**, an eighth grader, was on the Lux Yearbook staff and part of the honor roll. He likes skateboarding, playing guitar, and hanging out with his friends. He also dives for the Husker Stars Diving Team and goes to St. Joseph Catholic Church Youth Rock Youth Group. His two favorite subjects are science and math. He finds science the most useful in the real world and math because there is a lot of logic and reasoning involved. After attending high school, he plans to go to the University of Texas at Austin, MIT, or the Air Force Academy to get a degree in aerospace engineering or become an astronaut and work for NASA. **Darrin Lim** is an eighth grader who enjoys reading and learning how to play Go. He is also involved in Orchestra and MATHCOUNTS. He enjoys math class the most because his teacher, Ms. Penner, teaches them about things other than math, like manners, politics, and geography. Darrin likes to collect fossils and old coins. He wants to go to medical school. **Kevin Oestmann**, eighth grader, likes Science Bowl, flag football, and his peer-mentoring group called the “Lunch Bunch.” He enjoys baseball, Boy Scouts, taking private pilot lessons, piano, and fishing outside of school. His favorite classes are computer science, math, and French. He finds these subjects interesting and challenging. He plans to attend college and become an airline pilot.



From left to right: Manizha Kholmatov, Rich Powers (Coach), Darrin Lim, Sam Karas, Kevin Koch, Kevin Oestmann

General Science



31

North Middle School Great Falls, Montana Billings Clinic Science Expo



From left to right, Front row: Timothy Seery, Jack Martinez, Darby Lacey, Ryan Thomas, Matt Cappozoli, Back row: Phil Schweitzer Coach), Mary Somerfeld (Coach)

Team Coaches: **Phil Schweitzer** started teaching when coprolites were viscous. Of 35 years teaching, the past 4 have been in Montana, where he has married his love of teaching middle school science and fly fishing. His understanding wife and children live in Wisconsin, where his first three decades of teaching occurred. He has been honored with several teaching awards. Finally, he is a lightning strike survivor and gives a great lightning talk! **Mary Somerfeld** has taught at North Middle School for 15 years, but she has been in education for 26 years. Her passion is her family and teaching. She was named Montana's Middle School Science Teacher of 2006. She and her husband operate a small wheat farm, and she loves gardening.

Team Members: Seventh grader **Matt Capozzoli** was born in Great Falls and is a true Montana native. For the first several years of his life he had resided in his hometown, but as his active duty mother and father were stationed elsewhere, the family moved around. As time went on, the family came back to Montana. Since then, he has picked up several hobbies. He spends most of his leisure time practicing his sax, flute, or piano, for his love of music is infinite. He has won several local awards and two regional awards. He has also been enrolled in several soccer associations, such as the Thunder Bolts, and continues to play with the love he has for the sport. The rest of his life is but an open book yet to be written, and this is only another chapter. **Darby Lacey** is a seventh grader. She enjoys skiing, camping, sailing, and playing volleyball. She skis on a competitive ski team. She participates in Student Government and Science Olympiad. Her favorite subjects are math and science with a special interest in physics and chemistry. Darby hopes to study medicine, chemistry, political science, or international law. Seventh grader **Jack Martinez** was born in Minneapolis, MN, in 1994, lived in Kansas City, KS, and moved to Great Falls when he was four, where he has lived ever since. In fourth grade, he moved from his small suburban home to a larger house on the river. He enjoys hiking, canoeing, camping, and other outdoor activities. He enjoys observing animals and plants. Montana is an excellent place to explore this passion. This summer, he traveled to Africa for three weeks in July, a fascinating trip that encouraged his interest in ecology. His favorite subjects are science, social studies, and English. He hopes to become a paleontologist or writer as a career. Eighth grader **Timothy Seery** enjoys science because it allows him to ask questions and inquire about the world in which he lives. At school, he is the president of both the Student Government and National Junior Honor Society. He enjoys playing his cello and participating in Speech and Debate. He also has participated in Science Olympiad and Montana State Science Fair. He enjoys learning about the U.S. government, as he was a page in the 60th Montana Legislative Session. He is truly passionate about the environment and the climate crisis. In the future, he hopes to pursue a career in environmental law or government. **Ryan Thomas** is an eighth grader. His favorite subjects are math and science. When he is alone, he likes to read or play video games. His favorite sport is baseball, where he plays either first or second base.

Earth Science

32

Roosevelt Middle School

River Forest, Illinois

Argonne National Laboratory

Team Coach: **Sandra Painter** has taught in the area of Gifted Education for the last 15 years, the last 11 years at Roosevelt Middle School. She coaches the Scholastic Bowl Team, which took second place at the state level this year and also coaches the Science Bowl Team. Next year, she will be coaching two Robotics Teams in the First Lego League competition. She loves teaching math and humanities to fifth graders at Roosevelt. In her spare time, she enjoys spending time with her grown children, reading, traveling, music, and theatre. Her love of math and science was fostered by her father, who was an engineer and worked on the Apollo missions.

Team Members: **David Johnston** is an eighth grade student. He is a fairly well rounded person whose real strong point is science. He enjoys doing various things with his hands, including making models of WWII airplanes. When he comes against something he does not understand, he researches or looks it up, and he remembers most everything he reads. He plans to go to the Illinois Math and Science Academy and then on to Olin University to major in mechanical engineering. He then plans to become an engineer with the Air Force in Colorado Springs, designing robotic warplanes to remove the loss of human life in aerial warfare. He is a Boy Scout with Troop 65 and is a member of the West Suburban Sharpshooters. He enjoys science fiction, golf, and mind games, especially when he does not tell everyone else that it is a game. Eighth grader **Brandon Noland** likes math and social studies classes. He scored a 1330 SAT score, and plans to attend the Illinois Math and Science Academy for high school and then possibly Notre Dame. He enjoys sports and school and he was a member of both the second place State Scholastic Bowl Team and the regional winning Science Bowl Team. He wants to live in Toronto and become the new Shakespeare when he grows up. Brandon is patient, forgiving, trustworthy, courageous, fortuitous, intelligent, and a great leader. **Greg Ramel** is a 12-year-old seventh grader who skipped second grade. He is on both the school's Science and Scholastic Bowl Teams. He plays baseball and enjoys math, science, and gym. He also likes video games, hanging out with friends, swimming, biking, surfing the Internet, seeing movies, and making ample use of his trampoline. He is a star-rank Boy Scout, working towards Eagle. He plans to go to University of Illinois – Champaign-Urbana to pursue a career in chemical or electrical engineering. His ideal world is one that is completely independent of fossil fuels with zero pollutants. He is short and 50 percent Philippino, and is proud of both. **Rose Sloan** is a 12-year-old seventh grader. As well as being on the Science Bowl Team, she is a competitor in the Scripps National Spelling Bee. She plays trumpet in her school's Concert and Jazz bands. She also plays piano. She enjoys singing in her school's chorus and honor's chorus and had a minor role in her school's musical. She enjoys reading fantasy novels, particularly the *Harry Potter* series. She is on a swim team. She wrote an article for the May/June issue of the magazine *New Moon*. She is taking high school level French and math. She is also in her school's eighth grade science class. **Andrew Wang** is an 11-year-old seventh grader. His hobbies and interests are Internet, reading, origami, and human suffering. He is in the school's Concert band and is a member of the Science Bowl and Scholastic Bowl Teams. The school's Science Bowl Team won the first place award for the Academic Bowl and third place in the regional hydrogen fuel car races while the Scholastic Bowl Team won second place in State. His favorite subjects in school are mathematics and science. He earned a SAT score of 780 in math and 500 in reading.



From left to right, Back row: Brandon Noland, Sandra Painter (Coach), David Johnston, Front row: Rose Sloan, Andrew Wang, Greg Ramel

Physical Science



33

Salem Middle School

Apex, North Carolina

Students Fueling the Future



From left to right, Front row: Sofia Dard, Landon Carter, Alec Stewart, Back row: Christian Sutherland, Matthew Hildner, Not pictured: Thaddeus Sherman (Coach)

Team Coach: Thaddeus Sherman is a sixth grade math and science teacher. He is in his sixth year of teaching and is currently in graduate school at NC State University, where he is pursuing a degree in school administration. He coached several middle school sports until two years ago, when he became the teacher sponsor for an after school science club called Fueling the Future, which has given students an opportunity to explore hydrogen as an alternative energy source. When he is not at school, he enjoys spending time with his wife and their one-year-old son, Benjamin. He also enjoys playing basketball and baseball.

Team Members: Landon Carter is in the sixth grade. He participates in several sports, including baseball, basketball, and golf. This past spring season, Landon was the leading

pitcher on his baseball team. He also enjoys photography and excels at drawing. He enjoys science-based camps and reading loads of books during his summers. His favorite subjects in school are math and science. Landon plans to pursue a Ph.D. and career in some field of engineering. Sofia Dard, an eighth grader, loves reading, listening to music, staying fit, hanging out with friends, and babysitting. She also loves playing football with her brothers, friends, and neighbors, and running. She was on the track team in seventh and eighth grade as a sprinter and long jumper. She has participated in Fueling the Future and the Science Bowl Team. Her favorite subject is probably P.E., but her best subjects are math and science. When she grows up, she plans to go to college and to medical school to be a doctor for babies, either a pediatrician or a gynecologist. She also wants to be an interior designer for a private real estate business. Sofia is fluent in French and partly in Spanish. She is very fortunate to have lived in four different countries (England, Germany, Belgium, and USA) and experienced many cultures. Matthew Hildner is an honor student in the eighth grade. He has participated in the Fueling the Future competition the last two years. The Quiz Bowl competition is his favorite. In addition to his love of science, math, and reading, he also plays trombone for the school's Concert and Jazz bands. Matthew also enjoys playing football. He has been selected to participate in a specialized Academy of Information Technology at the high school. Matthew does not know where he would like to go to college, but he would like to study biomedical engineering. He would like to go on to medical school and then into research. In his spare time, he enjoys a wide variety of computer activities, participates in magic card competitions, and plays soccer for a recreational men's league. He has also developed his own pet sitting and lawn mowing service for the upcoming summer. Alec Stewart is in the sixth grade. He likes all of the subjects taught at school, including Spanish and keyboarding. He is a member of Boy Scout Troop 316 and enjoys scouting. Alec also competed in his school's Geography Bee and finished at the school level. He likes NFL and NCAA football, especially the NC State Wolfpack and the Carolina Panthers. Alec would like to go to NC State University and later become a football commentator. Christian Sutherland is a seventh grader. He enjoys many things, including reading and math. His two favorite subjects are math and science. He has maintained an "A" average the entire school year. His plans for the future include going to Duke University to pursue a Ph.D. in the medical field. Christian was recently selected to be part of the Duke University Talent Identification Program. This program has been a world leader in identifying academically talented students and providing innovative programs to support the development of their optimal potential.

Life Science

34

St. Andrews Episcopal School

Amarillo, Texas

BWXT Pantex Plant

Team Coach: **Marcella Herrington** is completing her 37th year of teaching — everything from Special Education to College Botany to Zoology and also art, as she has a double major in science (biology) and art. This is her teams' fourth trip to the National Science Bowl®. Her husband, Leonard, and Marcella enjoy hiking and mountain climbing to off-beat places like Nepal, Newfoundland, and Bolivia. Their last big adventure was a five-day backpack over the Chilkoot Trail from Dyea, AK to Bennett, BC. She loves teaching, gardening, fishing, traveling, and reading.

Team Members: **Noah Beggs** is an eighth grader. His favorite subjects are art, English, and lunch. His hobbies include rock collecting and reading. He is a tiger black belt in Tae Kwon Do (one belt from a full black belt) and he also plays tennis and the cello. **Blane Ferguson** is an eighth grader; however, his family has recently decided to relocate to Phoenix, AZ. He enjoys basketball, football, and competitive wiffle ball. Blane was quarterback for his school's football team. Currently, he is in National Junior Honor Society and Student Council. He aspires to be a movie critic and watch films for the rest of his life. **Kunal Mehta** is a seventh grader. His interests include basketball, tennis, and playing the guitar. He is a member of the advanced group at Amarillo Tennis Center, MATHCOUNTS, and National Junior Honor Society. Kunal competed in the Amarillo Regional Spelling Bee and placed sixth. He also competed in the State Science Fair and the school Geography Bee, placing third. His favorite subjects are geography, science, and English. His plans for the future are to attend Stanford and Oxford, and become either a business consultant or a business journalist. **Saahil Mehta** is a sixth grader. His interests include soccer, tennis, and playing the piano. He is a member of the USTA and has participated in MATHCOUNTS and Science Fair, reaching the state level in both. He was also a finalist in the Texas Department of Agriculture Tall Tale contest in 2005. His favorite subjects are math, geography, science, English, and computers. His plans for the future are to attend Stanford, Harvard, and Oxford, and become a climatologist, radiologist, or lawyer. **Tobin Paxton** is an eighth grader who is a member of the National Junior Honor Society. He has served on Student Council for three years. Tobin has competed in Robotics for three years with two trips to the state level. This is his second year to participate in the Science Bowl and Fuel Cell Car Race competitions. Outside of academics, Tobin was a starter for the St. Andrew's football and basketball teams this year. Next year Tobin will be attending the Robert Louis Stevenson School in Carmel, CA, where he plans to take part in cross-country and lacrosse while continuing his love for science and all its opportunities.



From left to right: Tobin Paxton, Kunal Mehta, Noah Beggs, Saahil Mehta, Blane Ferguson, Not pictured: Marcella Herrington (Coach)

Life Science



35

St. Christopher School

Tonawanda, New York

Buffalo Museum of Science



From left to right: Mark Chee, Maggie McGuire, Casey O'Brien, Brianna Pullo, Elizabeth Lorenc, Not pictured: Celeste Scarozza (Coach)

Team Coach: Celeste Scarozza has a B.S. in biology and psychology with a minor in animal behavior and a M.S. in secondary education from Canisius College in Buffalo, NY. She has taught middle school science for the past seven years and serves as the advisor/coach for Science Bowl, Junior Solar Sprint, Yearbook, Stage Crew, P.R. Crew, and Ski Club, and she runs her school's annual I*MA*GREEN Nation Recycling Fair. Despite an obvious lack of free time during the school year, she enjoys reading, scrapbooking, traveling, and playing cards and board games with her friends. Her favorite animal is the golden lion tamarin and she likes to encourage her students to aim for great success both in and out of the classroom with the idea, "Try not. Do or do not. There is no try."

Team Members: Mark Chee is an eighth grader. He enjoys playing the violin and piano and is the concert master at the Greater Buffalo Youth String Orchestra. He loves to play golf and collect stamps. His favorite subject is science and when he grows up he plans to become a doctor. Elizabeth Lorenc is an eighth grader. This is her first year on the Science Bowl Team as well as her first year competing in the school's Solar Car Club. She loves studying health and science in school, which made practicing for Science Bowl "more fun than a barrel of monkeys!" After school, her interests include dance class and Drama Club, where she has starred in many memorable St. Christopher "bound for Broadway" productions. Mary Margaret "Maggie" McGuire is 14 years old and an eighth grader. Next year she will go to high school at Sacred Heart Academy. She has danced for eight years and enjoys playing softball. At school, she enjoys studying science and math, as well as being a member of the school Yearbook and Drama Club, where she has played exciting roles such as Princess Petunia and Deputy Sheriff. Casey O'Brien is 13 years old and an eighth grader. One of her favorite hobbies is to dance. She dances about nine hours a week. Another hobby of hers is acting. She has been in her school play for four years. This year, she is playing soccer and was recently in Future City. She took piano lessons for five years. Her favorite subjects in school are literature and science. She says this because she loves to read and experiment with things. Her future plans for college are to go to the Air Force Academy because she would like to be in the Air Force. Brianna Pullo is an eighth grader. She enjoys playing on the school's Varsity basketball, soccer, and softball teams as well as participating in the accelerated math class. In the past four years she has participated in the school's Drama Club, including this year when she played Cinderella's fair godmother. Each year she also enjoys competing in the Junior Solar Sprint Club, where she gets to create a solar-powered car that is not only super speedy, but completely fabulous looking as well.

General Science

36

Treasure Valley Math and Science Center

Boise, Idaho

Northwest Regional

Team Coach: This is **Mark Anderson's** first year as a teacher after 23 years as a computer engineer. He teaches Conceptual Physics and Advanced Placement Physics at Treasure Valley Math and Science Center, a math and science magnet school. Mark attended the Air Force Academy and graduated from Arizona State University with a degree in electrical engineering. He has a subsequent Master's degree in computer engineering from University of Idaho. Mark's hobbies include kayaking, rafting, backcountry skiing, and mountain biking.

Team Members: Sixth grader **Alex Baca** enjoys model trains and boats. He is also active in the 4-H Club. Geography and history are his favorite subjects. Alex is not sure where he wants to go to college or what career he may choose to pursue. Sixth grader **Kevin Brown** is into Legos, Runescape, and computer strategy games. He enjoys his literature and social studies class because of his teacher, Mr. Meyers. He plans to get a Ph.D. in engineering and land a high-paying job. Kevin also makes stained glass. **Sam Chandler** is a seventh grader that likes bowling, playing video games, astronomy, and computers. He also likes to longboard surf. His favorite subjects in school are science, math, and world studies. Sam is not sure where he wants to go to college but aspires to be a research meteorologist, aerospace engineer, or some other technical career. **Andrew Hoth** is a seventh grader. He is in Drama Club, on the wrestling team, and is a Sea Cadet. His favorite subjects are math, science, and P.E. Andrew thinks he wants to attend either the Naval Academy or Harvard. He would like to be a geneticist and a wrestling coach. **Eddie Smith** is in the sixth grade. He is in a gifted and talented combo class and enjoys reading. His favorite subjects in school are physics and math.



From left to right: Alex Baca, Sam Chandler, Eddie Smith, Andrew Hoth, Kevin Brown, Not pictured: Mark Anderson (Coach)

Earth Science



37

Triadelphia Middle School

Wheeling, West Virginia

West Liberty State College SMART Center



From left to right: Dana Holmstrand, Bobby Sellers, Rocky Diegmiller, Janine Reddy (Coach), Lucas Runyan, David Reddy

Team Coach: Janine Reddy was a medical technologist for 15 years before she began teaching at Triadelphia Middle School. She teaches seventh grade Coordinated and Thematic Science. She and her husband have two children, ages 14 and 16.

Team Members: Rocky Diegmiller is in the eighth grade. He plays baseball, basketball, and soccer. Besides the Middle School Science Bowl, he participated in the National MATHCOUNTS Competition. His favorite school subject is gym. When he goes to college, he would like to go to Notre Dame University to pursue a career in microbiology or nanotechnology. Dana Holmstrand is 14 years old and in the eighth grade. She plays the viola and the clarinet. She also plays for a traveling soccer team. She loves reading and

running. She has two younger sisters and is the only girl on the team. David Reddy is 14 years old and in the eighth grade. He is writing a book and would like to be an author some day. He also likes to draw. He plays the electric guitar and the viola. He lives with his parents and his sister. He believes that people have mutated forms of animal instincts, and all human behavior can be explained by watching animals. Lucas Runyan is an eighth grade student. He likes science and math. He enjoys running and surfing the web. He has a step sister and brother. He has a 4.0 GPA and scored a 24 on his ACT. He is taking a college class at Wheeling Jesuit University. This is pretty much him in a nutshell! Robert (Bobby) Sellers is 13 years old and in the seventh grade. He plays the trombone and the bass. His family consists of his parents, his two sisters and one brother, and his dog. He enjoys math, science, and especially astronomy. When he grows up, he would like to be a pilot.

Physical Science

38

Tupelo Middle School

Tupelo, Mississippi

Mississippi School for Mathematics and Science

Team Coach: **Stacy Carroll** teaches seventh grade Pre-Advanced Placement Science and eighth grade Integrated Science at Tupelo Middle School. She has been with Tupelo Middle School for four years. Away from school, she is a director for Project C.O.P.E., a team-building and self-esteem program utilizing a high and low rope and rappelling course. Last summer, she traveled to Trinidad on an environmental expedition to study macaws, howler monkeys, and leatherback sea turtles, and how best to sustain the natural flora and fauna there. She and her husband have a four-year-old daughter, Annaleise. In the future, she plans to travel abroad to teach internationally.

Team Members: **Sarahanne Davidson** is a seventh grade student. She participates in Student Council, the cheerleading squad, MATHCOUNTS Club, and Varsity cross-country. She also enjoys playing soccer and hanging out with friends. Her trip to the National Middle School Science Bowl will be her first airplane flight. **Oliver "Mikhail" Gaerlan** is a seventh grader. He was born in Quezon City, Philippines, on March 10, 1994. His family moved to the U.S. in 1998 when he was only four. His family goes back to the Philippines every few years to visit relatives and friends. His favorite subject in school is science. Other things he likes to do are play tennis and soccer, watch television, play video games, read, and hang out with his friends. He is really excited about being in the National Science Bowl® competition. This will be a great experience for him. **William "Walker" Hannah** is in the seventh grade. He likes playing football and loves video games. He recently broke his arm for the first time when he tripped and fell on it. His parents are Bill and Jennie Hannah, and he loves science! **Alexander Nadler** is an eighth grade student. He enjoys playing football for Tupelo. He also plays baseball for the Tupelo Rangers. In his spare time, he likes to listen to music and chill. He would like to go to the University of Hawaii. **Nathan Oakes** is an eighth grade student. He enjoys playing basketball and is on the middle school team. His favorite subject in school is English. He likes to listen to rock music. He would like to attend Sewanee University and be a politician. His favorite color is green, but orange is awesome too.



From left to right, Back row: Stacy Carroll (Coach), Alexander Nadler, Nathan Oakes, Front row: Mikhail Gaerlan, Sarahanne Davidson, Walker Hannah

Life Science



39

Van Antwerp Middle School

Schenectady, New York

KAPL, Inc./GE Global Research Center



From left to right: Connie Soron (Coach), Thomas Mason, Jaclyn Dobies, Michael Barnes, Gabriel Holodak, Nicholas Wolfe, Not pictured: Dan Barnes (Coach)

Team Coaches: **Dan Barnes** has had a variety of jobs as a chemical engineer, ranging from process engineer at a manufacturing plant to modeling chemical systems at a DOE site in South Carolina. He currently works for Lockheed-Martin. He likes to camp, hike, and eat good food. Because of the latter, he has been a runner for years and competed in a few marathons. **Connie Soron** considers herself a life-long learner and teacher. She has had the privilege of teaching grades from fourth through college-level, and middle school is her favorite! She is nationally board certified in early adolescence/science, and loves working with and exciting kids about all the amazing opportunities in science, like this Science Bowl! She loves to read, hike, and spend time with family and friends.

Team Members: **Michael Barnes** is in the seventh grade. He enjoys classes in math, science, and technology. He likes to play soccer and enjoys building and launching model rockets. He has had pet rats since he was in the second grade. He is looking to be an architect later in life. Michael was born in Michigan and has since lived in Buffalo, NY, Aiken, SC, and Niskayuna, NY. In almost all of these places, he has been the tallest in his class. **Jaclyn Dobies** is in the eighth grade. She participates in after school sports such as basketball and softball and is involved with the Drama Club as an actress. Her favorite subjects in school are science, especially chemistry and math. She also really enjoys art, particularly when she is drawing and sketching. Later on in life, Jaclyn plans on attending a four-year college and then going on to graduate school. She would like to become a veterinarian or maybe a zoologist because she loves animals. She hopes that all of her experience with science this year will really help her to get a job that works with research to benefit the earth and nature. **Gabriel Holodak** is in the seventh grade. He plays the bagpipes and is in a youth pipe band in his area. He likes to read, run, ride his bike, go orienteering, and play soccer. He has fun with his friends playing games like chess and Dungeons and Dragons. Gabriel's favorite subjects in school are technology, science, and art. He would like to have a job related to computers, and is interested in helping the environment. Eighth grader **Thomas Mason** is the captain of the Science Bowl Team. He was born in Carroll Gardens, Brooklyn (NYC) in 1993. He enjoys reading and tries to do well in school. Thomas especially enjoys science, history, and linguistics. In fact, he can speak two foreign languages well — Spanish and Italian. He would like to be a chemist or an engineer. **Nicholas Wolfe** is an eighth grader. He enjoys hanging out with friends, reading, drawing, playing video games, and other random activities. He studies tuba, piano, and violin; plays in a Jazz band; and sings in choir. He swims for the Albany Starfish Swim Club and the school swim team, and rows on the district's crew team. In school, Nicholas enjoys English, art, technology, and science. One of his favorite things about science this year is studying chemistry, which involves a lot of fire and cool reactions!

General Science

40

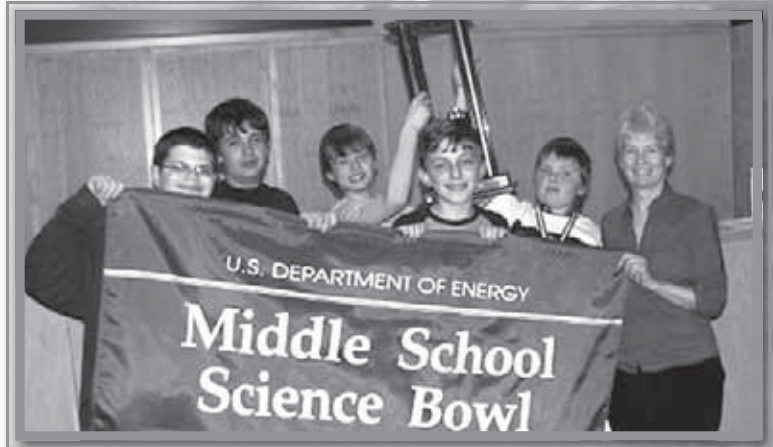
Woodstock Union Middle School

Woodstock, Vermont

University of Connecticut

Team Coach: Nancy Pejouhy is an eighth grade math teacher at Woodstock Union Middle School. She has been coaching the Science Bowl Team for four years. When not in school, she enjoys hiking, biking, skiing, snowboarding, kayaking, and reading. Mrs. Pejouhy graduated from Bridgewater State College and Dartmouth College.

Team Members: Eighth grader **Weston Atwood** is a 13-year-old boy living in Woodstock, VT, with his mother, father, sister, and three cats. He enjoys watching NASCAR, listening to Bon Jovi, and doing Science Bowl. His favorite subjects in school are science and geography. **Jack Dugdale** is 13 years old and an eighth grade student. He lives in West Windsor, VT, with his parents, three cats, two dogs, and some fish. He enjoys reading, coin and stamp collecting, and canoe trips in Canada with his parents. He likes history, especially World War II. He does not play or enjoy sports but is a member of the Science Bowl and FIRST Lego League Teams. Seventh grader **Jordan Fields** is a 13-year-old boy living in the town of Woodstock, VT, with his parents and younger brother. He is active in a lot of activities. He plays a sport every season of the year: soccer in the fall, cross-country ski racing in the winter, lacrosse in the spring, and swimming with the local swim team in the summer. He is also part of a local group called "Change the World Kids," where teens do volunteer work in the community and participate in worldwide projects such as in Costa Rica where they are replanting part of the Rain Forest. During the school year, Jordan participates in the Math Team and the Science Bowl Team. He is also a Star level Boy Scout. His goal is to achieve Eagle Scout within the next two years. Eighth grader **Max Halik** is 14 years old and lives in Woodstock, VT. He is about to get his black belt in Karate, plays the piano, and enjoys Science Bowl. He was on a Science Bowl Team in seventh grade, but a different team from his school went to Nationals. Max is the math specialist on the team. He looks forward to the competition because he enjoys challenges. He is excited about meeting new people and representing his school in Colorado. **Tyler Lemmer** is an eighth grade student. He was born in Brattleboro, VT, but has lived in several Vermont towns and in Loveland, CO. His favorite hobbies include video games, playing with Legos, biking, skiing, building things, and trampoline. He also likes technology and computers. He has a brother, a sister, and a golden retriever named Goldie.



From left to right: Weston Atwood, Jack Dugdale, Jordan Fields, Max Halik, Tyler Lemmer, Nancy Pejouhy (Coach)



Zachry Middle School

San Antonio, Texas

South Central Texas



From left to right: Steven Flores, Scott Rodriguez, Zachary Gonzales, Donald Perez,
Not pictured: Sara Key (Coach)

Team Coach: Sara Key has been teaching for three years and all of those have been eighth grade science at Zachry Middle School. She helps out with the spring musical every year and she helps run the Science Club. Her hobbies include reading, especially science books, and wildlife rehabilitation. She also enjoys working on her motorcycles. She went to Angelo State University in San Angelo, TX, and is pursuing a Master's in science curriculum and instruction. An interesting fact about her is that she loves languages. She has studied Spanish, French, Latin, American Sign Language, and her latest obsession, Gaelic.

Team Members: Steven Flores is an eighth grader. In his spare time, he likes to play video games and follow NFL and NBA. His favorite subject is science. In the future, he plans to go to college. Zachary Gonzales is an eighth grade student. He is a member of the football and track teams. He is in honors and Pre-AP classes. His hobbies include Spurs basketball, playing video games, and playing video games about basketball. His favorite subject is science and he wants to be a demolitions expert in the military in the future. Donald Perez is an eighth grade student. He is in honors and Pre-AP classes. He likes to play video games and watch TV in his spare time. His favorite subject is math because it is really easy. His future plans include going to college and studying math. An interesting fact about him is that he is double jointed and can bend in all sorts of ways! Scott Rodriguez is an eighth grader. He is into sleeping, playing video games, and watching any and all sports. His favorite subject in school is Spanish. He is on the football, basketball, and track teams. He plans to go to college and study kinesiology.

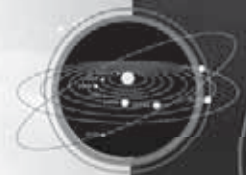
General Science



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AUTOGRAPHS




43


Hydrogen Fuel Cell Car Competition

Heat One (1) — Eight (8) Time Trials


	Car #	Lane	Time Trial	Trial Time
ACCESS Program at Sabin School	1	A	1A	
Ann Richards Middle School	2	B	1A	
Auburn Junior High School	3	C	1A	
Central Academy	4	D	1A	
Austin Area Home School	5	A	1B	
Chaffin Junior High School	6	B	1B	
Challenger School (Newark)	7	C	1B	
Chandler Preparatory Academy	8	D	1B	
Challenger School (Sunnyvale)	9	A	1C	
Cleveland Middle School	10	B	1C	
Commack Middle School	11	C	1C	
Fort Couch Middle School	12	D	1C	
Gilmore J. Fisher Middle School	13	A	1D	
Honey Creek Middle School	14	B	1D	
Jenkins Middle School	15	C	1D	
Kenmoor Middle School	16	D	1D	

	Car #	Lane	Time Trial	Trial Time
Lincoln Middle School	17	A	1E	
Longfellow Middle School	18	B	1E	
Lux Middle School	19	C	1E	
North Middle School	20	D	1E	
Roosevelt Middle School	21	A	1F	
Salem Middle School	22	B	1F	
St. Andrews Episcopal School	23	C	1F	
St. Christopher School	24	D	1F	
Treasure Valley Math and Science Center	25	A	1G	
Triadelphia Middle School	26	B	1G	
Tupelo Middle School	27	C	1G	
Van Antwerp Middle School	28	A	1H	
Woodstock Union Middle School	29	B	1H	
Zachry Middle School	30	C	1H	

Heat Two (2) — Eight (8) Time Trials



	Car #	Lane	Time Trial	Trial Time
ACCESS Program at Sabin School	1	D	2A	
Ann Richards Middle School	2	C	2A	
Auburn Junior High School	3	B	2A	
Central Academy	4	A	2A	
Austin Area Home School	5	D	2B	
Chaffin Junior High School	6	C	2B	
Challenger School (Newark)	7	B	2B	
Chandler Preparatory Academy	8	A	2B	
Challenger School (Sunnyvale)	9	D	2C	
Cleveland Middle School	10	C	2C	
Commack Middle School	11	B	2C	
Fort Couch Middle School	12	A	2C	
Gilmore J. Fisher Middle School	13	D	2D	
Honey Creek Middle School	14	C	2D	
Jenkins Middle School	15	B	2D	
Kenmoor Middle School	16	A	2D	



	Car #	Lane	Time Trial	Trial Time
Lincoln Middle School	17	D	2E	
Longfellow Middle School	18	C	2E	
Lux Middle School	19	B	2E	
North Middle School	20	A	2E	
Roosevelt Middle School	21	D	2F	
Salem Middle School	22	C	2F	
St. Andrews Episcopal School	23	B	2F	
St. Christopher School	24	A	2F	
Treasure Valley Math and Science Center	25	C	2G	
Triadelphia Middle School	26	A	2G	
Tupelo Middle School	27	B	2G	
Van Antwerp Middle School	28	C	2H	
Woodstock Union Middle School	29	A	2H	
Zachry Middle School	30	B	2H	




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Hydrogen Fuel Cell Car Competition

Heat Three (3) — Eight (8) Time Trials


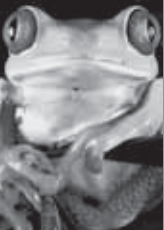


	Car #	Lane	Time Trial	Trial Time
ACCESS Program at Sabin School	1	B	3A	
Ann Richards Middle School	2	A	3A	
Auburn Junior High School	3	D	3A	
Central Academy	4	C	3A	
Austin Area Home School	5	B	3B	
Chaffin Junior High School	6	A	3B	
Challenger School (Newark)	7	D	3B	
Chandler Preparatory Academy	8	C	3B	
Challenger School (Sunnyvale)	9	B	3C	
Cleveland Middle School	10	A	3C	
Commack Middle School	11	D	3C	
Fort Couch Middle School	12	C	3C	
Gilmore J. Fisher Middle School	13	B	3D	
Honey Creek Middle School	14	A	3D	
Jenkins Middle School	15	D	3D	
Kenmoor Middle School	16	C	3D	



	Car #	Lane	Time Trial	Trial Time
Lincoln Middle School	17	B	3E	
Longfellow Middle School	18	A	3E	
Lux Middle School	19	D	3E	
North Middle School	20	C	3E	
Roosevelt Middle School	21	B	3F	
Salem Middle School	22	A	3F	
St. Andrews Episcopal School	23	D	3F	
St. Christopher School	24	C	3F	
Treasure Valley Math and Science Center	25	B	3G	
Triadelphia Middle School	26	C	3G	
Tupelo Middle School	27	D	3G	
Van Antwerp Middle School	28	B	3H	
Woodstock Union Middle School	29	C	3H	
Zachry Middle School	30	D	3H	

Final Heat — Best Time — 30 Teams

	ACCESS Program at Sabin School	Ann Richards Middle School	Auburn Junior High School	Central Academy	Austin Area Home School	Chaffin Junior High School	Challenger School (Newark)	Chandler Preparatory Academy	Challenger School (Sunnyvale)	Cleveland Middle School	Commack Middle School	Fort Couch Middle School	Gilmore J. Fisher Middle School	Honey Creek Middle School	Jenkins Middle School
Car #	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Best Time															
Rank															
	Kenmoor Middle School	Lincoln Middle School	Longfellow Middle School	Lux Middle School	North Middle School	Roosevelt Middle School	Salem Middle School	St. Andrews Episcopal School	St. Christopher School	Treasure Valley Math and Science Center	Triadelphia Middle School	Tupelo Middle School	Van Antwerp Middle School	Woodstock Union Middle School	Zachry Middle School
Car #	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Best Time															
Rank															

Final Heat — Top Four (4) Teams



Team	Time	Place



Round Robin Competition

Round Robin Schedule — Long's Peak Division — Eight (8) Teams

ROUND	TEAMS	ROOM	TEAMS	ROOM	TEAMS	ROOM	TEAMS	ROOM
1 9:00 a.m.	1 VS 2	Sturm Hall 334	3 VS 8	Sturm Hall 324	4 VS 7	Sturm Hall 379	5 VS 6	Sturm Hall 311
2 9:30 a.m.	1 VS 5	Sturm Hall 324	2 VS 4	Sturm Hall 311	3 VS 6	Sturm Hall 379	7 VS 8	Sturm Hall 334
10:00 a.m.	REFRESHMENT BREAK							
3 10:15 a.m.	1 VS 3	Sturm Hall 311	2 VS 7	Sturm Hall 379	4 VS 5	Sturm Hall 334	6 VS 8	Sturm Hall 324
4 10:45 a.m.	1 VS 6	Sturm Hall 334	2 VS 8	Sturm Hall 379	3 VS 4	Sturm Hall 324	5 VS 7	Sturm Hall 311
5a 11:15 a.m.	1 VS 8	Sturm Hall 311	2 VS 5	Sturm Hall 324	3 VS 7	Sturm Hall 334	4 VS 6	Sturm Hall 379
11:45 a.m.	LUNCH							
6 1:15 p.m.	1 VS 4	Sturm Hall 379	2 VS 3	Sturm Hall 311	5 VS 8	Sturm Hall 334	6 VS 7	Sturm Hall 324
7 1:45 p.m.	1 VS 7	Sturm Hall 324	2 VS 6	Sturm Hall 334	3 VS 5	Sturm Hall 379	4 VS 8	Sturm Hall 311
TBD 2:15 p.m.	TIE BREAKS IF NECESSARY							

3:00 p.m.

SIXTEEN (16) TEAM DOUBLE ELIMINATION BEGINS

Round Robin Score Sheet — Longs Peak Division — Eight (8) Teams

TEAM	1	2	3	4	5	6	7	8	TOTAL POINTS
1									
2									
3									
4									
5									
6									
7									
8									



Round Robin Competition

Round Robin Schedule — Mt. Evans Division — Seven (7) Teams

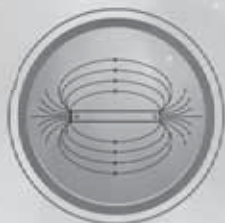
ROUND	TEAMS	ROOM	TEAMS	ROOM	TEAMS	ROOM	BYE ROUND TEAM
1 9:00 a.m.	1 VS 5	Sturm Hall 253	2 VS 4	Sturm Hall 275	3 VS 6	Sturm Hall 254	7
2 9:30 a.m.	1 VS 3	Sturm Hall 275	2 VS 7	Sturm Hall 254	4 VS 5	Sturm Hall 253	6
10:00 a.m.	REFRESHMENT BREAK						
3 10:15 a.m.	1 VS 4	Sturm Hall 254	2 VS 3	Sturm Hall 253	6 VS 7	Sturm Hall 275	5
4 10:45 a.m.	1 VS 7	Sturm Hall 254	2 VS 6	Sturm Hall 253	3 VS 5	Sturm Hall 275	4
5a 11:15 a.m.	1 VS 2	Sturm Hall 275	4 VS 7	Sturm Hall 253	5 VS 6	Sturm Hall 254	3
11:45 a.m.	LUNCH						
6 1:15 p.m.	1 VS 6	Sturm Hall 253	3 VS 4	Sturm Hall 254	5 VS 7	Sturm Hall 275	2
7 1:45 p.m.	2 VS 5	Sturm Hall 254	3 VS 7	Sturm Hall 253	4 VS 6	Sturm Hall 275	1
TBD 2:15 p.m.	TIE BREAKS IF NECESSARY						

3:00 p.m.

SIXTEEN (16) TEAM DOUBLE ELIMINATION BEGINS

Round Robin Score Sheet — Mt. Evans Division — Seven (7) Teams

TEAM	1	2	3	4	5	6	7	TOTAL POINTS
1								
2								
3								
4								
5								
6								
7								



Round Robin Competition

Round Robin Schedule — Pikes Peak Division — Eight (8) Teams

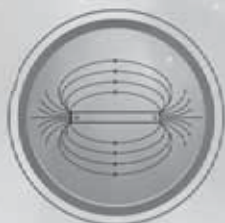
ROUND	TEAMS	ROOM	TEAMS	ROOM	TEAMS	ROOM	TEAMS	ROOM
1 9:00 a.m.	1 VS 2	Sturm Hall 453	3 VS 8	Sturm Hall 490	4 VS 7	Sturm Hall 454	5 VS 6	Sturm Hall 492
2 9:30 a.m.	1 VS 5	Sturm Hall 490	2 VS 4	Sturm Hall 492	3 VS 6	Sturm Hall 454	7 VS 8	Sturm Hall 453
10:00 a.m.	REFRESHMENT BREAK							
3 10:15 a.m.	1 VS 3	Sturm Hall 492	2 VS 7	Sturm Hall 454	4 VS 5	Sturm Hall 453	6 VS 8	Sturm Hall 490
4 10:45 a.m.	1 VS 6	Sturm Hall 453	2 VS 8	Sturm Hall 454	3 VS 4	Sturm Hall 490	5 VS 7	Sturm Hall 492
11:15 a.m.	LUNCH							
5b 12:45 p.m.	1 VS 8	Sturm Hall 492	2 VS 5	Sturm Hall 490	3 VS 7	Sturm Hall 453	4 VS 6	Sturm Hall 454
6 1:15 p.m.	1 VS 4	Sturm Hall 454	2 VS 3	Sturm Hall 492	5 VS 8	Sturm Hall 453	6 VS 7	Sturm Hall 490
7 1:45 p.m.	1 VS 7	Sturm Hall 490	2 VS 6	Sturm Hall 453	3 VS 5	Sturm Hall 454	4 VS 8	Sturm Hall 492
TBD 2:15 p.m.	TIE BREAKS IF NECESSARY							

3:00 p.m.

SIXTEEN (16) TEAM DOUBLE ELIMINATION BEGINS

Round Robin Score Sheet — Pikes Peak Division — Eight (8) Teams

TEAM	1	2	3	4	5	6	7	8	TOTAL POINTS
1									
2									
3									
4									
5									
6									
7									
8									



Round Robin Competition

Round Robin Schedule — Sunshine Peak Division — Seven (7) Teams

ROUND	TEAMS	ROOM	TEAMS	ROOM	TEAMS	ROOM	BYE ROUND TEAM
1 9:00 a.m.	1 VS 5	Sturm Hall 410	2 VS 4	Sturm Hall 435	3 VS 6	Sturm Hall 412	7
2 9:30 a.m.	1 VS 3	Sturm Hall 435	2 VS 7	Sturm Hall 412	4 VS 5	Sturm Hall 410	6
10:00 a.m.	REFRESHMENT BREAK						
3 10:15 a.m.	1 VS 4	Sturm Hall 412	2 VS 3	Sturm Hall 410	6 VS 7	Sturm Hall 435	5
4 10:45 a.m.	1 VS 7	Sturm Hall 412	2 VS 6	Sturm Hall 410	3 VS 5	Sturm Hall 435	4
11:15 a.m.	LUNCH						
5b 12:45 p.m.	1 VS 2	Sturm Hall 435	4 VS 7	Sturm Hall 410	5 VS 6	Sturm Hall 412	3
6 1:15 p.m.	1 VS 6	Sturm Hall 410	3 VS 4	Sturm Hall 412	5 VS 7	Sturm Hall 435	2
7 1:45 p.m.	2 VS 5	Sturm Hall 412	3 VS 7	Sturm Hall 410	4 VS 6	Sturm Hall 435	1
TBD 2:15 p.m.	TIE BREAKS IF NECESSARY						

3:00 p.m.

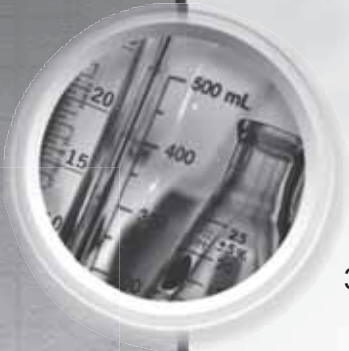
SIXTEEN (16) TEAM DOUBLE ELIMINATION BEGINS

Round Robin Score Sheet — Sunshine Peak Division — Seven (7) Teams

TEAM	1	2	3	4	5	6	7	TOTAL POINTS
1								
2								
3								
4								
5								
6								
7								



Sixteen (16) Team Double Elimination No-Loss Bracket



ROUND 1
3:00–3:30 P.M.

ROUND 2
3:30–4:00 P.M.

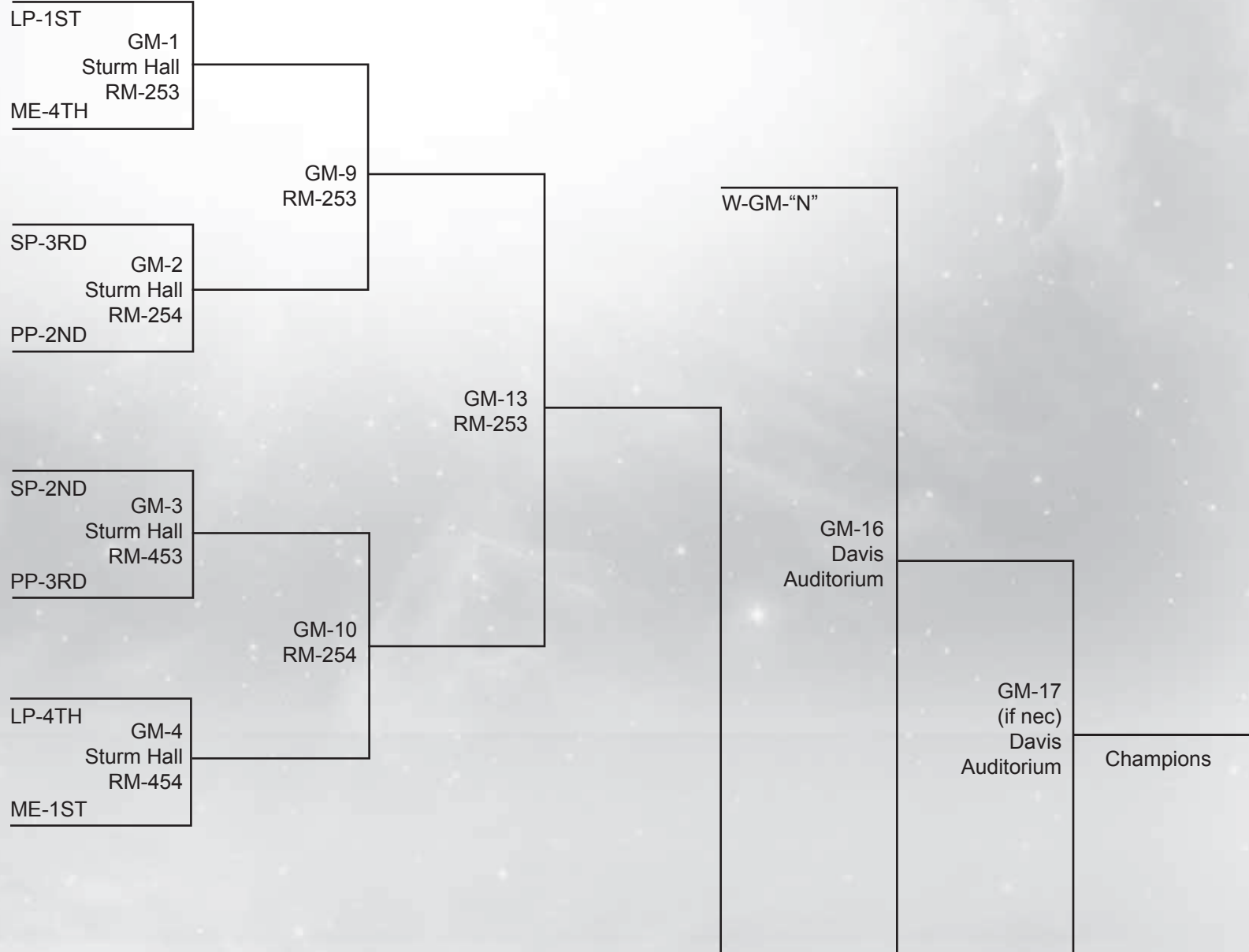
ROUND 4
4:30–5:00 P.M.

ROUND 6
7:00–7:30 P.M.

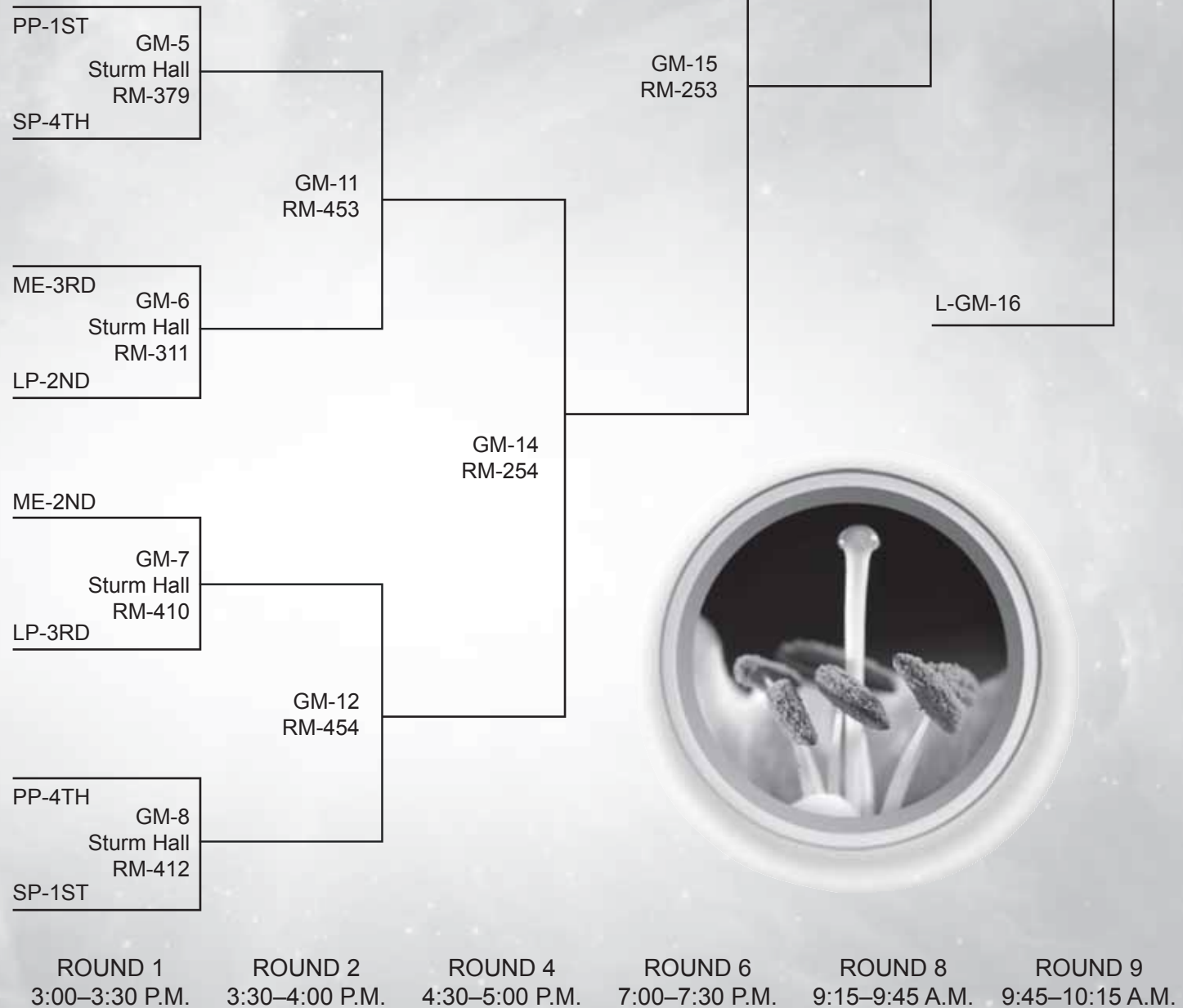
ROUND 8
9:15–9:45 A.M.

ROUND 9
9:45–10:15 A.M.

LP — Longs Peak, ME — Mt. Evans, PP — Pikes Peak, SP — Sunshine Peak



Academic Competition
No-Loss Bracket



Sixteen (16) Team Double Elimination Challengers Bracket

ROUND 2
3:30–4:00 P.M.

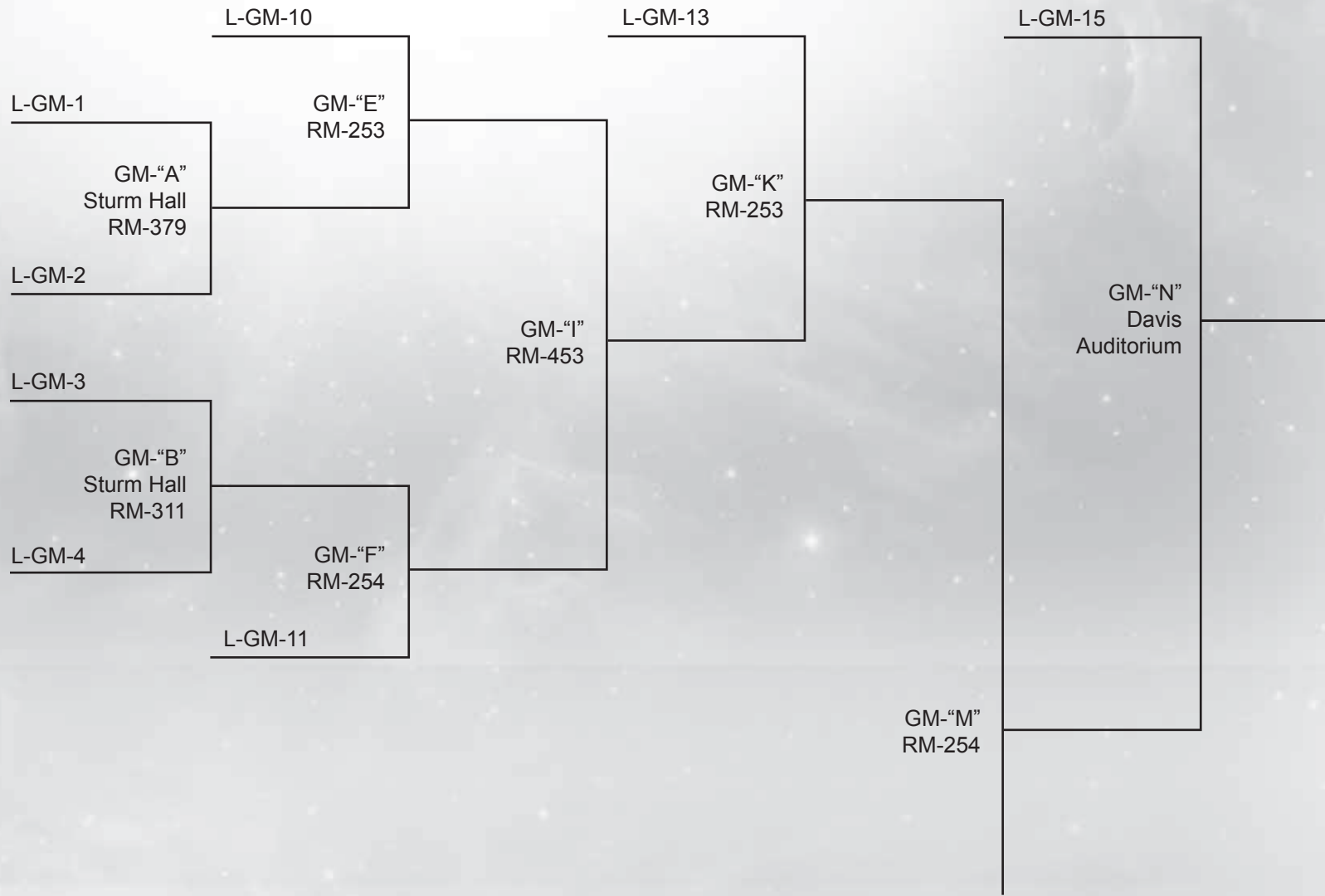
ROUND 3
4:00–4:30 P.M.

ROUND 4
4:30–5:00 P.M.

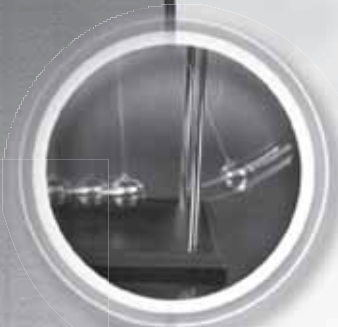
ROUND 5
6:30–7:00 P.M.

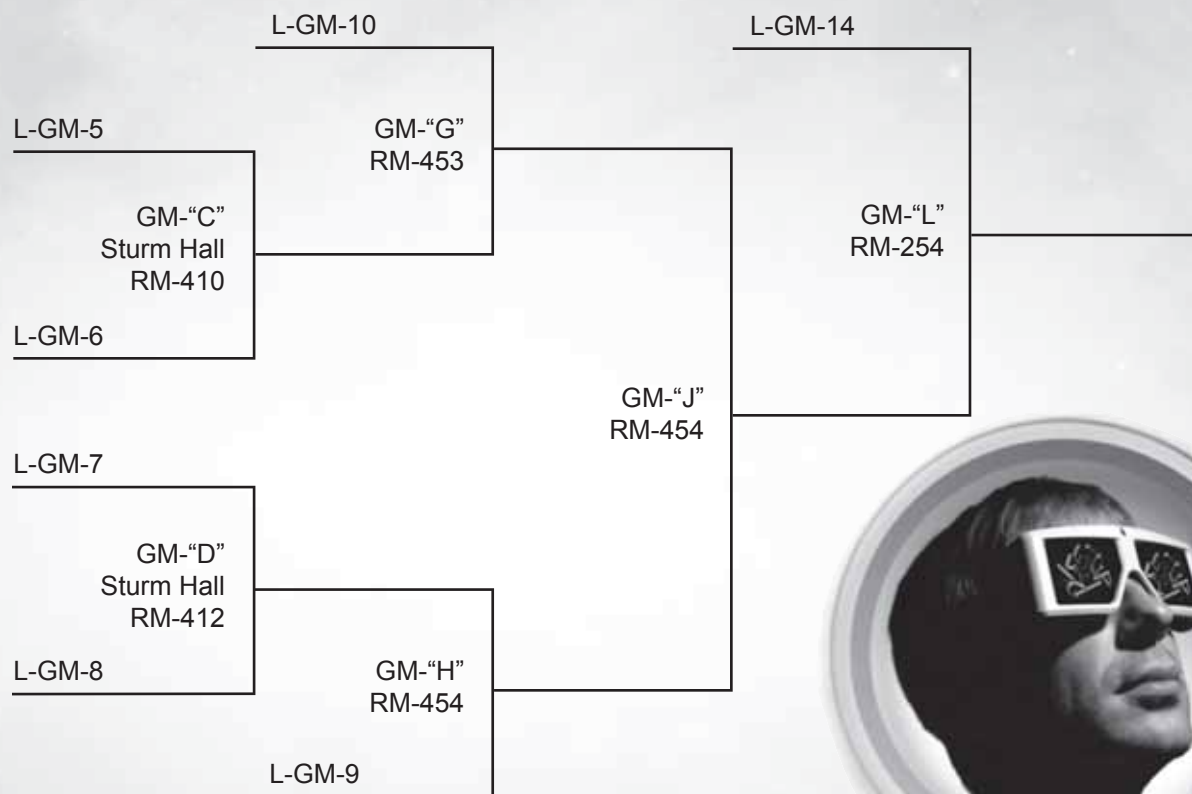
ROUND 6
7:00–7:30 P.M.

ROUND 7
8:45–9:15 A.M.



Academic Competition
Challengers Bracket





ROUND 2
3:30–4:00 P.M.

ROUND 3
4:00–4:30 P.M.

ROUND 4
4:30–5:00 P.M.

ROUND 5
6:30–7:00 P.M.

ROUND 6
7:00–7:30 P.M.

ROUND 7
8:45–9:15 A.M.

Results Tally Sheet

And The Winners Are.....



Hydrogen Fuel Cell Car Competition

Winning Teams

1st —

2nd —

3rd —

Academic Competition



Winning Teams

1st —

2nd —

3rd —

AUTOGRAPHS



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Middle School Students

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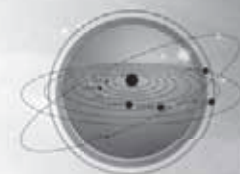
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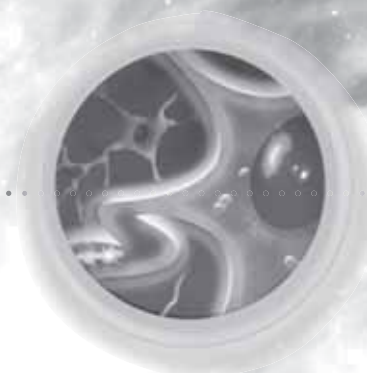
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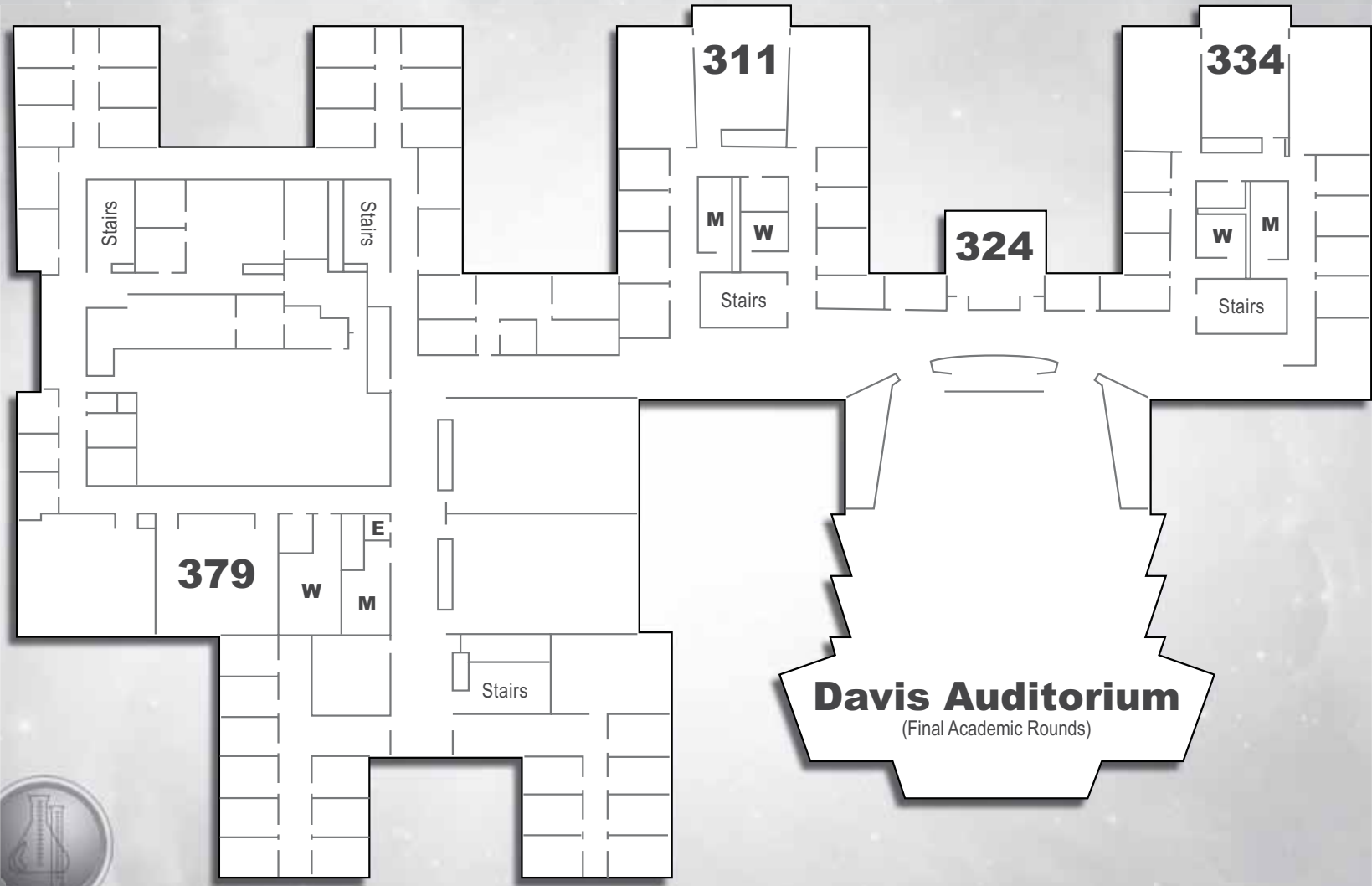
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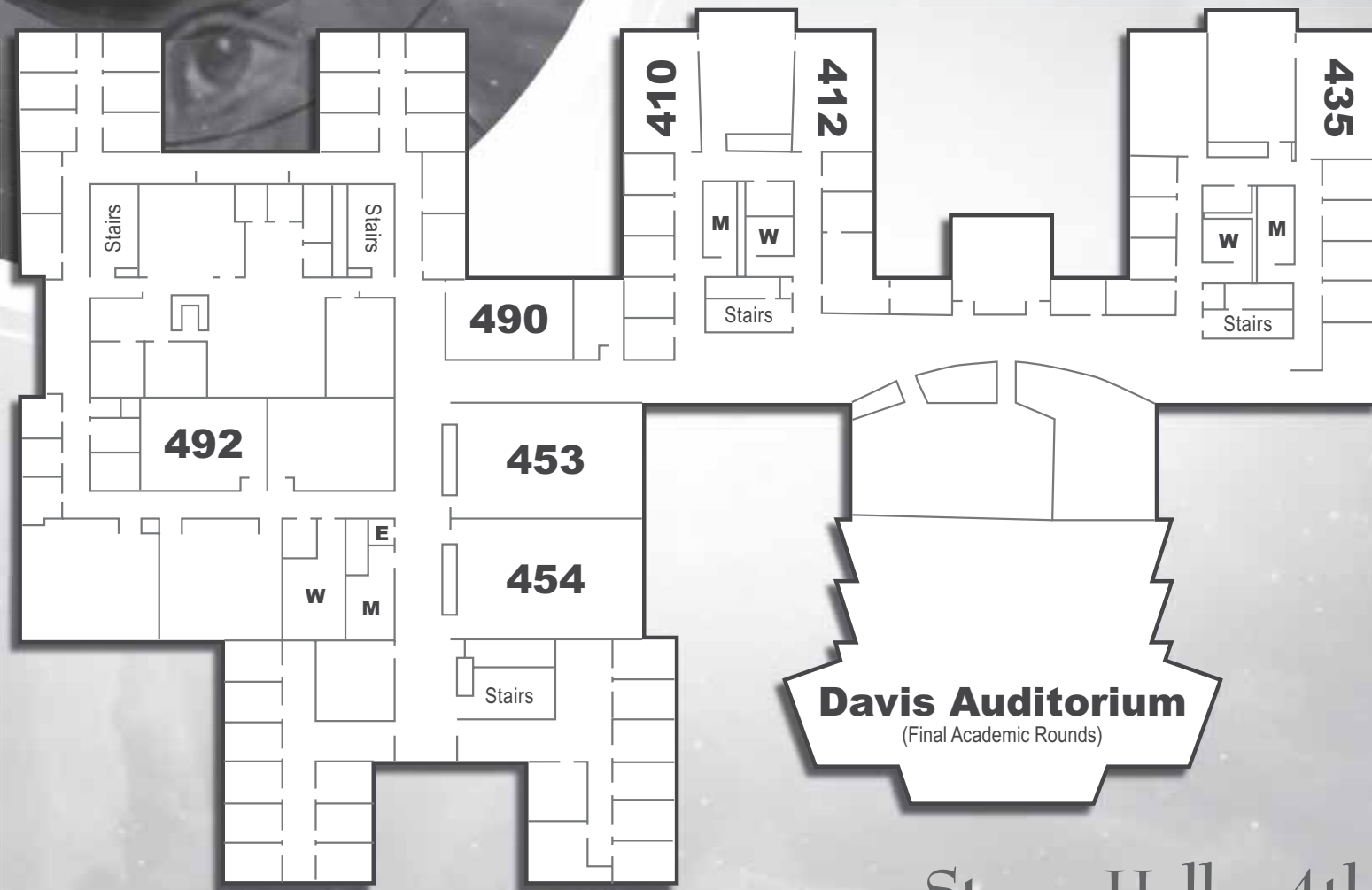
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