

Flint Regional Science Fair

FOR RELEASE March 6, 2011 AFTER 5:00 PM ONLY

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Note: The lists of award winners by Division follow the list of Science Fair Sponsors and the list of Special Award donors below. Students are listed in order of rank by Division (Senior, Junior, Group, Elementary) and within category of project for the junior division.

“Science, The Spark of Innovation” the 55th Annual Flint Regional Science Fair

“It is very reassuring to talk with students and judge science fair projects—these kids are bright, inquisitive, and creative and are developing real aptitude for science”, said John Wambaugh, who has been Director of the Flint Area Science Fair for 19 years. “In these difficult times that our state and country are experiencing it is reassuring to see what our youth, who will be the leaders of tomorrow, are doing to prepare.”

297 students competed in the 55th Annual Flint Regional Science Fair that was held on the campus of Kettering University March 4-6. FRSF serves students from Genesee, Lapeer, Shiawassee, St Clair and Tuscola counties and from communities not served by a recognized regional science fair. FRSF provides an opportunity for students to be recognized for their achievements and hard work. 75 Finalists were identified by judges on Friday evening. They were then interviewed by several judges Saturday morning to determine ranking and who would become the recipients of nearly \$32,000 in awards that included scholarships, bonds, prizes and, for four senior division students, an all expense paid trip to attend the Intel International Science & Engineering Fair in Los Angeles, California. In addition to scholarships and the trip to ISEF, the Senior Division winner also received an Apple iPad.

“Everyone is a winner” John Wambaugh likes to say, and FRSF recognizes all students who participate. Students not selected as finalists are each interviewed by a judge to get encouragement and to help them learn how to do better science next time. They all receive a goodie bag of prizes and a ribbon.

In addition to awards presented by FRSF, 170 Special Awards were presented by 37 local, state and national professional, business and government organizations and individual sponsors who use their own criteria in selecting winners.

The Flint Regional Science Fair Board wishes to thank the many wonderful Fair sponsors-- individuals and organizations, for their commitment to the community, to youth and to the importance of science and technology.

The Board also wishes to thank our many contributors for their generous support, and the more than 50 judges who gave their time and talents to meet with students one-on-one to review projects and provide encouragement. "The efforts of many dedicated volunteers makes this Fair one of the best in the nation", said Wambaugh.

Flint Area Science Fair 2011 SPONSORS

The corporations, foundations and organizations that support the Flint Area Science Fair with donations of \$1,000 or more in funds, or goods and services deserve special thanks. Without the support of sponsors and other contributors the fair would not be possible.

- **A-Frame Awards Co.**
- **Anna Paulina Foundation**
- **Arthur G. Bishop Charitable Trust**
- **Baker College**
- **Charles Stewart Mott Foundation**
- **Certified Hazardous Materials Managers of Michigan**
- **Community Foundation of Greater Flint**
- **Distinctive Recognition Co.**
- **Flint Area School Employee Credit Union**
- **Genesee Intermediate School District**
- **Hurley Medical Center**
- **James A. Welch Foundation**
- **Kettering University**
- **Lapeer County Community Foundation**
- **Meijers Stores**
- **Mid States Bolt and Screw**
- **ORBRO Solutions**
- **Stella & Frederick Loeb Charitable Trust**
- **TGI Direct**
- **United Automobile Workers**
- **University of Michigan, Flint**

Special Awards Sponsors—

The following organizations agencies and individuals provide Special Awards to recognize students whose projects meet criteria established by the donor organization.

- Air and Waste Management Association
- American Meteorological Society
- American Psychological Association
- American Society of Civil Engineers
- Association for Women Geoscientists
- ASM International Foundation
- Broadcom MASTERS Program of SSP
- Certified Hazardous Material Managers
- David C. & Doris Hill Chemistry Award
- Eastern Michigan ASHRAE
- Nicholas Ekladyous Science Public Service Award
- Fisher Scientific
- Flint Children's Museum
- Flint River Watershed Coalition
- Flint, City of/ Office of Mayor
- Genesee County Farm Bureau
- Genesee County Medical Society

- Genesys Regional Health Center
- Hurley Medical Center
- Intel Computer Award
- Kenton Nieman Memorial Award
- Kettering University
- McLaren Health Care Corporation
- Mid Michigan Ambulatory Physicians
- MU Alpha Theta
- National Oceanographic Atmospheric Administration
- National Society of Professional Engineers
- Ricoh Sustainable Award
- Scientific American
- Sloan Museum/Longway Planetarium
- Society for In-Vitro Biology
- U. S. Army
- U.S. Air Force
- U.S. Metric Association
- U.S. Navy / Marine Corp
- Yale Science & Engineering Assoc.
- Young Engineers & Scientists Memorial Award

The ranking of finalists by Division (Senior, Junior with three category subsets, Group and Elementary) follows.
 (Note: If this format presents problems please contact Tom Cerny at tomcerny1@aol.com.)

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FLINT AREA SCIENCE FAIR PRESS RELEASE
SENIOR DIVISION FINALISTS

3/6/2011

PLACE	NAME	PROJECT	GRADE	SCHOOL
1	Matthew Bauerle	S923	11	Bauerle Homeschool
	ISEF Participant \$2000 Scholarship	Reformulating the Newton Direction Computation as a Linear Least Squares Problem for Smoothed Overdetermined 11 Functionals		
2	Nithin Tumma	S908	11	Port Huron Northern High School
	ISEF Participant \$1500 Scholarship	Identifying Mechanisms of Regulation of Cytochrome P450 2E1		
3	Lois Gagnon	S919	11	Gagnon Family Homeschool
	\$1200 Scholarship	Detection of Radioactive Isotopes in the Radon Decay Chain Using a Homemade Ion Chamber		
4	Ishan Mehta	S906	11	Port Huron Northern High School

\$1000 Scholarship	Genetic relatedness of antibiotic resistant S.agalactiae strains exhibiting a novel resistance phenotype			
4	Kaleem Qazi	S904	12	HomeSchool
\$1000 Scholarship	Comparison of Methods for Hemoglobin Quantification: Electrical Conductivity vs Colorimetry			
5	Chandler Anschutz	S903	10	Davison High School
\$500 Bond	Solar Tracking Vs Stationary			
5	Hannah Campbell	S912	10	Imlay City High School
\$500 Bond	Project I			
5	Alexander Dutton	S909	9	Dutton Homeschool
ISEF Alternate \$500 Bond	Is the Salsa Safe?			
PLACE	NAME	PROJECT	GRADE	SCHOOL
5	Jay Mehta	S905	9	Port Huron Northern High School
ISEF Observer \$500 Bond	Effects of Probiotics and Antibiotics on Selected Gut Flora and Pathogenic Bacteria			
5	Bryce Timmons	S913	9	Davison High School
ISEF Observer \$500 Bond	Soil vs. Hydroponics			
6	Seth Cole	S925	9	Davison High School
\$400 Bond	Solar Cells vs. Fuel Cells			
6	Rachel Powers	S918	9	Homeschool
\$400 Bond	Cable-Stayed Bridge			

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GROUP FINALISTS

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	NAME	PROJECT	GRADE	SCHOOL
1	Ilina Krishen	G802	8	Fort Gratiot Middle School
\$250 Bond	Hot Enough Yet, Chicken			
1	Medha Krishen	G802	7	Fort Gratiot Middle School
\$250 Bond	Hot Enough Yet, Chicken			

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JUNIOR DIVISION EARTH/CHEM FINALISTS

3/6/2011

PLACE	NAME	PROJECT	GRADE	SCHOOL
Grand Award Earth/Chem	Brianna Costigan	J409	7	St. John the Evangelist
\$1500 Scholarship	Comparing the efficiency of water turbines			
2 Earth/Chem	Andrew Celini	J449	8	St. John the Evangelist
\$600 Bond	Water Power			
3 Earth/Chem	Sean Bleicher	J407	8	St. John the Evangelist
\$500 Bond	Catch A Wave			
4 Earth/Chem	Hailey Campbell	J450	6	Imlay City Middle School
\$400 Bond	Water Works			
4 Earth/Chem	Sahar Galal	J447	7	Genesee Academy

\$400 Bond	The Cleaner the Water the Better			
4 Earth/Chem	Anna Kent	J402	8	Davison Middle School
\$400 Bond	An Oily Mess			
4 Earth/Chem	Grace Leonard	J420	7	Everest Academy
\$400 Bond	Garden Secrets			
4 Earth/Chem	Rebecca Martin	J419	8	St. John the Evangelist
\$400 Bond	From Waste to Wonderful			
5 Earth/Chem	Katherine DuRussel	J425	8	Trinity Lutheran School
\$200 Bond	Ink Be Gone			
5 Earth/Chem	Emily Fay	J427	7	St. John the Evangelist
\$200 Bond	Just Charge It !!			
6 Earth/Chem	Madison Koscinski	J410	7	St. John the Evangelist
\$100 Bond	Coriolis Effect and It's Role in Spinning the Direction of Hurricanes			
6 Earth/Chem	Samantha Miller	J438	6	Holly Academy
\$100 Bond	Soak It Up			

JUNIOR DIVISION
LIFE SCIENCE
FINALISTS

1 Life	Faizan Mohammed	J529	7	Genesee Academy
\$1000 Scholarship	You Can't Touch This			
2 Life	Uthman Shukairy	J468	7	Genesee Academy
\$600 Bond	Battle Of Soaps			
3 Life	Belal Khouhani	J525	7	Genesee Academy
\$500 Bond	which bite is the real killer?			
4 Life	RIDA KHAN	J519	7	Genesee Academy
\$400 Bond	THE MIGHTY VITAMINS			
5 Life	Rosalie Gagnon	J517	6	Homeschool
\$200 Bond	The Effect of Soil Temperature on the Germination and Growth of Phaseolus vulgaris (bean) plants			
5 Life	Alexandra Karakuc	J516	6	Holly Academy
\$200 Bond	The Easy Seat			
5 Life	Katie Pulaski	J477	6	St. John Vianney Catholic School
\$200 Bond	Comedy, Tragedy, Horror: How Emotions Affect Your Heart Rate.			
5 Life	Alexandria Rucker	J510	8	Davison Middle School
\$200 Bond	Plant Growth and Their Reaction to Different Light			

6 Life	Yahya Abdelhay	J488	7	Genesee Academy
\$100 Bond	Effect of acid rain on plants			
6 Life	Taylor Kosiara	J514	6	Hahn Intermediate
\$100 Bond	Stop the Pop			
6 Life	Alaina Skellett	J524	6	St. John Vianney Catholic School
\$100 Bond	What bacterial cleaner kills the most bacteria?			
<u>JUNIOR DIVISION</u> <u>PHYSICAL SCIENCE</u> <u>FINALISTS</u>				
1 Physical	Omid Tavakoli	J571	6	Homeschool
\$1000 Scholarship	The Power of Leverage			
2 Physical	Dorian Bilbrey	J546	8	Holly Academy
\$600 Bond	How do Aerodynamics Affect Cars			
2 Physical	Keonia Thompson	J584	6	Academy of Flint
\$600 Bond	The Color of Light and the Solar Panel Output			
3 Physical	Nicholas Gadola-Holmes	J540	6	Gadola-Holmes Homeschool
\$500 Bond	ENERGY HERO: Using Hero of Alexandria's 2000 year old machine to Measure the Heat Output of Lightbulbs			
4 Physical	Leena Ahsan	J544	7	Genesee Academy

\$400 Bond	Have you got Lift?			
4 Physical	Jennifer Tourgee	J561	8	Davison Middle School
\$400 Bond	Stealth Technology: How Polygonal Shapes Reflect and Scatter Light Waves			
5 Physical	Gillian Anschutz	J557	6	Hahn Intermediate
\$200 Bond	Protecting Houses From Flying Debris			
5 Physical	Lauren Chwojncki	J555	8	Davison Middle School
\$200 Bond	Paintball Performance			
6 Physical	Lucas Erber	J573	6	St. John Vianney Catholic School
\$100 Bond	Which bridge type is stronger?			
6 Physical	Nicholas Haglund	J570	8	Davison Middle School
\$100 Bond	The Playing Card Challenge			
6 Physical	Samantha Haw	J564	8	Davison Middle School
\$100 Bond	The Art of Artificial Nails			
6 Physical	Trevor Powers	J532	7	Homeschool
\$100 Bond	A Tale of Two Trusses			

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ELEMENTARY DIVISION FINALISTS

3/6/2011

PLACE	NAME	PROJECT	GRADE	SCHOOL
1	Allison Prahin	E172	5	Holly Academy
\$750 Bond	The Great Heat Escape			
2	Matthew Lutz	E118	5	Mayfield Elementary
\$600 Bond	Testing a homemade hovercraft			
2	Braden Wilson	E112	4	Holly Academy
\$600 Bond	IT'S ALL IN THE BLADE			
3	Henry Baxter	E183	5	Columbiaville Elementary
\$400 Bond	Which Wind Turbine Blade Design Produces the Most Electricity?			
4	Jennifer Bloch	E162	4	Central Elementary - Davison
\$250 Bond	Fluids: Their Mysteries Revealed!			
4	Clara Huggins	E144	4	Holly Academy
\$250 Bond	Sunflower or Safflower			
4	Eric Ihrke	E131	4	Columbiaville Elementary

\$250 Bond

Color Confusion

4

Zohair Khan

E177

5

Genesee Academy

\$250 Bond

What is best conductor of electricity

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ELEMENTARY DIVISION FINALISTS

3/6/2011

PLACE	NAME	PROJECT	GRADE	SCHOOL
4	Abed Najjar	E154	5	Genesee Academy
\$250 Bond	Which Lotion Retains the Most Moisture?			
4	Austin Scofield	E161	5	Columbiaville Elementary
\$250 Bond	Domes Durability and Destruction			
4	Nisreen Shukairy	E119	5	Genesee Academy
\$250 Bond	The Quicker Picker Upper			
4	Morgan Swett	E125	5	Oaktree Elementary
\$250 Bond	Amazing Dirt			
4	Ellie Timmons	E133	4	Central Elementary - Davison
\$250 Bond	Do Plants Need Sleep?			
5	Vincenzo Andre	E205	5	Brendel Elementary School
\$100 Bond	Will the Time of Day Affect Kirby's Speed to Complete the Maze?			
5	Nicholas Bader	E160	5	Columbiaville Elementary
\$100 Bond	Do Different Kinds of Light Bulbs Save Energy More Than Others?			
5	Noor Carvo	E142	5	Genesee Academy
\$100 Bond	Moldy Matter			

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PLACE	NAME	PROJECT	GRADE	SCHOOL
5	Madeline Horton	E141	4	Columbiaville Elementary
\$100 Bond	Michigan Grown Wood: Which One Is the Hardest?			
5	Rahma Iqbal	E185	5	Genesee Academy
\$100 Bond	YUCK! Worms in the Kitchen.			
5	Rayyan Jondy	E197	5	Genesee Academy
\$100 Bond	Soapy Science			
5	Sean Jorrey	E186	4	Columbiaville Elementary
\$100 Bond	Does Playing Video Games Affect Heart Rate?			
5	Jannah Shah	E127	5	Genesee Academy
\$100 Bond	Bacteria on Ties			
6	Nicholas Bagadinski	E107	5	Columbiaville Elementary
\$50 Bond	Don't Spill It! You Might Not Know What it Will Do			
6	Laurel Bissinger	E178	4	Holly Academy
\$50 Bond	What Makes The Car Go Far ?			
6	Jack Felder	E114	4	Borland Elementary
\$50 Bond	Pollution of our water			

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<u>PLACE</u>	<u>NAME</u>	<u>PROJECT</u>	<u>GRADE</u>	<u>SCHOOL</u>
6	Zainab Hafez	E138	5	Genesee Academy
\$50 Bond	Hair vs. yeast			
6	Ella McFarland	E180	4	Columbiaville Elementary
\$50 Bond	Which Hair Dryer Works the Best?			