

# *Flint Area Science Fair*

FOR RELEASE March 9, 2008 AFTER 5:00 PM ONLY

Contact: Tom Cerny, VP FASF Board tomcerny1@aol.com or 810 695-6655 or cell 810 252-6943.

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

## **52 Annual Flint Area (Regional) Science Fair--Winners All**

The Board of Directors of the Flint Area Science Fair (FASF) takes pride in announcing the 88 students whose Science Fair projects won a FINALIST rating at this year's Fair which was held at Kettering University March 7-9. The Flint Area (Regional) Science & Engineering Fair is open to all students in grades 4 through 12 from Genesee, Shiawassee, Lapeer and Tuscola counties, and also welcomes students from other communities that are not served by a recognized regional science fair.

"The talent, energy and enthusiasm of the young people who participate in the Fair is always impressive, and was especially so this year. This was one of the best fairs we have ever had both for the quantity and quality of projects displayed," said John Wambaugh, Fair Director and Board Chairman. "The judges thoroughly enjoy interviewing students, to hear students explain their projects, and to see often novel approaches to important questions. The work of the judges was especially challenging as there were many outstanding projects."

Finalists listed were among 390 students who participated in the Elementary, Junior, or Senior Divisions at the FASF. These winners were awarded certificates, prizes, merchandise, bonds, scholarships and trips valued at more than \$25,000. All participants in the FASF received some type of prize, according to Director Wambaugh, because "Everyone who tries IS a winner." In addition to FASF prizes and awards, 175 Special Awards were presented by 47 professional societies, agencies and organizations to students who met their selection criteria.

Two winners in the Senior Division and two-9th or 10th grade observers will receive an all expense paid trip to compete in the INTEL International Science and Engineering Fair in Atlanta. Ten projects from the Senior Division have been chosen to compete for additional prizes and scholarships in the 14th Annual, Michigan State Science Fair, to be held April 5th at Kettering University in Flint.

18 winners from the Elementary and Junior Divisions have been nominated for the SSP Middle School Program (formerly the Discovery Channel Young Scientist Challenge) in Washington, DC.

The Flint Area Science Fair Board wishes to thank the Fair sponsors-- individuals and organizations, for their commitment to the community, to youth and to the importance of science and technology. Without their vital support the science fair would not be possible.

The Board also wishes to thank our many contributors for their generous support, and to 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 make this Fair one of the best in the nation", said Wambaugh.

Students, parents and teachers who would like to learn more about the science fair and the resources that are available to help students get started can visit [www.flintsciencefair.org](http://www.flintsciencefair.org).

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## **Flint Area Science Fair 2008 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 vital support of sponsors and other contributors the fair would not be possible.

- A Frame Awards
- Arthur G. Bishop Charitable Trust
- Charles Stewart Mott Foundation
- Community Foundation of Greater Flint
- CRTI
- Distinctive Recognition
- Flint Area School Employees Credit Union
- General Motors Service Parts Operations
- Genesee Area Math Science Center –GISD
- Hubbard Supply
- Hurley Medical Center
- James A. Welch Foundation
- Kettering University
- Lapeer Community Foundation
- Meijer Stores
- Oxford Bank
- ORBRO Solutions
- Stella & Frederick Loeb Charitable Trust
- TGI Direct
- United Automobile Workers
- University of Michigan – Flint

## **Special Awards—**

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

### **2008 Special Awards Sponsors**

- Air and Waste Management Association
- American Meteorological Society
- American Psychological Association
- ASM International Foundation
- Association for Women Geoscientists
- Certified Hazardous Material Managers
- Compliance Resources Technology, Inc. B. Newcomb Memorial Award

- Compliance Resources Technology, Inc. J. Collins Memorial Award
- Cross Veterinary Clinic
- David C. & Doris Hill Chemistry Award
- Fisher Scientific
- Flint Children's Museum
- Flint River Watershed Coalition
- Flint, City of
- Genesee County Farm Bureau
- Genesee County Medical Society
- Genesys Nurses Professional Development Committee
- Genesys Regional Health Center
- Herbert Hoover Presidential Library Association
- Hurley Medical Center
- Intel Computer Award
- Kenton Nieman Memorial Award
- Kettering University
- Longway Planetarium / Sloan Museum
- McLaren Health Care Corporation
- Michigan Society of Professional Engineers
- Mid Michigan Ambulatory Physicians
- MU Alpha Theta
- National Association for Biology Teachers
- National Oceanographic Atmospheric Association
- National Society of Professional Engineers
- National Youth Leadership Forum on Medicine
- Ricoh Sustainable Award
- SSP Middle School Program (formerly Discovery Challenge)
- Scientific American
- SPIE International Society of Optical Engineering
- State of Michigan / Governors Office
- U. S. Army
- U.S. Air Force
- U.S. Department of Health
- U.S. Metric Association
- U.S. Navy / Marine Corp
- Yale Science & Engineering

SENIOR DIVISION

2008

FLINT AREA SCIENCE FAIR PRESS RELEASE  
SENIOR DIVISION FINALISTS

3/10/2008

PLACE	NAME	PROJECT	GRADE	SCHOOL
1	Kaleem Qazi	S810	9	Carman Ainsworth High School
ISEF Participant				
\$1500 Scholarship				
	Efficient Way to Sterilize Pathogens from Dinnerware			

2	Nicholas Ekladyous	S816	12	Cranbrook Kingswood Upper School
ISEF Participant \$1000 Scholarship	nxtBoost: The Next Generation Child Booster Seat			
3	Cody Campbell	S804	11	Imlay City High School
\$750 Scholarship	Got Gas--Again!			
3	Joanne Christy	S801	9	Luke M. Powers Catholic High School
ISEF Observer \$750 Scholarship	A Novel Approach to SPF Determination of Sunscreens			
4	Joshua Christy	S806	10	Luke M. Powers Catholic High School
\$500 Bond	Innovative Pathway to Biofuel Production			
4	Noah Gagnon	S814	10	Seton Home Study
ISEF Observer \$500 Bond	The Effect of Airborne Negative Ions on Bacterial Growth			
4	Ayse Buke Hiziroglu	S815	10	Carman Ainsworth High School
\$500 Bond	Electrical Breakdown of Vegetable Oil as an Insulating Material			
5	Tesneem Alkiek	S811	9	Carman Ainsworth High School
\$400 Bond	Eye See Lies			
2008	<u>FLINT AREA SCIENCE FAIR PRESS RELEASE</u> <u>SENIOR DIVISION FINALISTS</u>			3/10/2008
PLACE	NAME	PROJECT	GRADE	SCHOOL
5	Jonny Carroll	S812	12	Ogemaw Hills Christian School
\$400 Bond	Identifying Personality Traits For Positive Performance			

5 Arjun Mahanti S803 10 Okemos High School

Alternate  
\$400 Bond

Detection of fingerprints using the Superglue (Cyanoacrylate monomer) fuming method on porous and non-porous surfaces for human identification.

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6 Kenneth Pierson S808 10 Davison High School

\$300 Bond

Could You Repeat That?

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GROUP DIVISION

2008

FLINT AREA SCIENCE FAIR PRESS RELEASE  
GROUP FINALISTS

3/10/2008

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NAME	PROJECT	GRADE	SCHOOL
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Group Recognition Award	Kate Roth	G902	4	Mason Elementary
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\$100 Bond Which Grand Blanc Grocery Store Has The Cleanest Grocery Carts?

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Group Recognition Award	Allison Seeley	G902	4	Mason Elementary
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\$100 Bond Which Grand Blanc Grocery Store Has The Cleanest Grocery Carts?

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Group Recognition Award	Jonathan Nas	G903	5	Mason Elementary
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\$100 Bond What product can we put on the bottom of a sled to make it go faster?

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Group Recognition Award	Nathan Seeley	G903	5	Mason Elementary
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\$100 Bond What product can we put on the bottom of a sled to make it go faster?

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Invitation to ISEF	Adam Kidder	G905	12	Saginaw Arts & Sciences Academy
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Agent-Based Crowd Modeling: A Game Theoretic Approach

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Invitation to ISEF	Nicholas Triantafillou	G905	11	Saginaw Arts & Sciences Academy
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Agent-Based Crowd Modeling: A Game Theoretic Approach

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JUNIOR DIVISION

2008

FLINT AREA SCIENCE FAIR PRESS RELEASE  
JUNIOR DIVISION FINALISTS

3/10/2008

PLACE	NAME	PROJECT	GRADE	SCHOOL
Grand Award & 1 Life \$1000 Scholarship	Callahan Katrak	J508	6	Holly Academy
2 Life \$400 Bond	Samantha Baalerud	J499	7	Bishop Kelley Catholic School
2 Life \$400 Bond	Aamna Sajid	J516	6	Genesee Academy
3 Life \$300 Bond	Nabeal Al-Jabban	J545	7	Genesee Academy
3 Life \$300 Bond	Christina O'Neil	J538	7	Everest Academy
4 Life \$200 Bond	Kaitlin McNeil	J475	8	Holly Academy
4 Life \$200 Bond	Sabreen Rashid	J484	6	Genesee Academy

5 Christopher Anderson J517 8 Linden Charter Academy  
Life

\$150 Bond Reflexive or Reactive / Fast or Slow

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2008

FLINT AREA SCIENCE FAIR PRESS RELEASE  
JUNIOR DIVISION FINALISTS

3/10/2008

PLACE NAME PROJECT GRADE SCHOOL

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5 Omeed Hekmati J522 7 Carman Ainsworth Middle  
Life School

\$150 Bond Something is Fishy

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5 Lindsay Maizland J505 7 St. John the Evangelist -  
Life Fenton

\$150 Bond Moldy McIntoshs

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5 Mitchell Milne J553 6 St. John Vianney Catholic  
Life School

\$150 Bond Which Exercise is the Best

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5 Allison Myers J528 8 Davison Middle School  
Life

\$150 Bond Swimming and the Heart

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6 Megan Kechner J552 8 Davison Middle School  
Life

\$100 Bond Which Brand of Mouthwash Kills the Most Bacteria?

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6 Andrea Ranville J480 6 St. John Vianney Catholic  
Life School

\$100 Bond Do Soaps Kill Germs?

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1 Saara Mohammed J445 8 Genesee Academy  
Earth

\$500 Scholarship WAAS Up, GPS?

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2  
Earth

Mishaal Khan

J424

8

Genesee Academy

\$400 Bond

Let Them Breathe

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2008

FLINT AREA SCIENCE FAIR PRESS RELEASE  
JUNIOR DIVISION FINALISTS

3/10/2008

PLACE	NAME	PROJECT	GRADE	SCHOOL
3 Earth	Kade Katrak	J406	6	Holly Academy
\$300 Bond	Are the Polar Caps Dying for a Drink of Lemonade? The Effect of Acidity Level on the Freezing Point of Water			
4 Earth	Bilal Ali	J405	6	Genesee Academy
\$200 Bond	An Industrial Disaster			
4 Earth	Amy Chan	J417	6	Woodland Park Academy
\$200 Bond	Global Warming: The Greenhouse Effect?			
4 Earth	Galal Galal	J437	8	Genesee Academy
\$200 Bond	Super Solar Power			
5 Earth	Hannah Campbell	J439	7	Imlay City Middle School
\$150 Bond	The answer is blowing in the wind.			
5 Earth	Michael Galvin	J427	7	St. Joseph School
\$150 Bond	Oh, No! I'm Rusting			
5 Earth	Rehma Maroof	J433	6	Genesee Academy
\$150 Bond	Save our Planet			
6 Earth	Noor Abdulhay	J416	6	Grand Blanc Middle School
\$100 Bond	Gas Production Waste Reduction			

2008

FLINT AREA SCIENCE FAIR PRESS RELEASE  
JUNIOR DIVISION FINALISTS

3/10/2008

PLACE	NAME	PROJECT	GRADE	SCHOOL
6 Earth	Quinn Langston-McNeal	J426	8	Linden Charter Academy
\$100 Bond	Modeling Mantle Convection Currents			
6 Earth	Quayvon Richardson	J451	7	Carman Ainsworth Middle School
\$100 Bond	What's In Your Water			
1 Physical	Matthew Bauerle	J587	8	Bauerle Homeschool
\$500 Scholarship	Finding the Maximum Power Point of a Solar Panel with a Golden Section Search			
2 Physical	Lois Gagnon	J610	8	Seton Home Study
\$400 Bond	The Effects of Heat and Pressure on the Rigidity of Metal Wire			
3 Physical	Matthew Persails	J629	8	Davison Middle School
\$300 Bond	Will Temperature Affect a Golf Ball?			
4 Physical	Josh Fisher	J577	7	St. John Vianney Catholic School
\$200 Bond	Cheating in Baseball, Helpful or hurtful			
4 Physical	Jacob Nave	J612	8	Davison Middle School
\$200 Bond	The One That Got Away			
4 Physical	Nathan Tong	J580	8	Davison Middle School
\$200 Bond	Does corking a bat affect the distance of a baseball			

2008

FLINT AREA SCIENCE FAIR PRESS RELEASE  
JUNIOR DIVISION FINALISTS

3/10/2008

PLACE	NAME	PROJECT	GRADE	SCHOOL
5 Physical	Ahmed Abdulhay	J644A	8	Grand Blanc Middle School
\$150 Bond	Home Protection			
5 Physical	Lucas Johnson	J576	8	Davison Middle School
\$150 Bond	Capacity of Bridges			
5 Physical	Abdelmajid Jondy	J571	8	Genesee Academy
\$150 Bond	Boing...Boing...Boing...			
5 Physical	Raneem Shukairy	J601	6	Genesee Academy
\$150 Bond	Music to my Brain			
5 Physical	Colin Tallman	J619	8	Davison Middle School
\$150 Bond	What is the difference in the drop of an arrow with different weight tips and at different yardages			
6 Physical	Ramona Watson	J630	6	Doyle-Ryder
\$100 Bond	Wind Power			

## ELEMENTARY DIVISION

2008

FLINT AREA SCIENCE FAIR PRESS RELEASE  
ELEMENTARY DIVISION FINALISTS

3/10/2008

PLACE	NAME	PROJECT	GRADE	SCHOOL
1	Seema Sabbagh	E101	5	Genesee Academy

\$500 Bond      Alternative fuels are green, but not with envy!

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2      Adam Alamah      E149      5      Genesee Academy

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\$300 Bond      Battle Against Bacteria

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2      Dylan Brewer      E162      5      Buffey Elementary

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\$300 Bond      Food or Foe?

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3      Trever Brown      E137      5      Rankin Elementary

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\$200 Bond      Warmer Temperatures Are in the Forecast

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3      Jacob Prim      E211      4      Central Elementary -  
Davison

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\$200 Bond      Paper Fliers

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3      Yasmeen Raffee      E181      5      Genesee Academy

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\$200 Bond      power-c

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3      Al Hasen Youssef      E118      5      Genesee Academy

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\$200 Bond      fueling gasoline or water

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4      Leena Ahsan      E133      4      Randels Elementary

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\$150 Bond      Simple actions can save a lot of energy

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2008

FLINT AREA SCIENCE FAIR PRESS RELEASE  
ELEMENTARY DIVISION FINALISTS

3/10/2008

PLACE	NAME	PROJECT	GRADE	SCHOOL
4	Sofia Ahsan	E109	5	Randels Elementary
\$150 Bond	Conserving water is good for our environment			
4	Masa Alharastani	E153	4	Genesee Academy
\$150 Bond	Colors to Grow For			
4	Rachel Arrowood	E129	5	Randels Elementary
\$150 Bond	Natural Resources & Dyes Created			
4	Jessica Caruso	E107	5	Everest Academy
\$150 Bond	Catch the Energy			
4	Makenzie Cool	E136	5	Holly Academy
\$150 Bond	The Mystery Of Decomposing			
4	Deema Hasan	E121	5	Genesee Academy
\$150 Bond	How Well Is Your Water?			
4	Brandon Orth	E221	5	Buffey Elementary
\$150 Bond	Solar Speed			
4	Sania Sajid	E127	5	Genesee Academy
\$150 Bond	Let Me Breathe Clean Air			

2008

FLINT AREA SCIENCE FAIR PRESS RELEASE  
ELEMENTARY DIVISION FINALISTS

3/10/2008

PLACE	NAME	PROJECT	GRADE	SCHOOL
4	Austin Zudell	E143	4	Columbiaville Elementary
\$150 Bond	What's Eating You?			
5	Drew Cannon	E128	5	Buffey Elementary
\$100 Bond	Life on Mars			
5	Lauren Dellaposta	E148	5	Buffey Elementary
\$100 Bond	Apple Juice or Apple Cider: Which One Do You Really Want?			
5	Kegan Demand	E207	5	Buffey Elementary
\$100 Bond	Longer Wings, Longer Flight?			
5	Joseph Dever	E145	5	Buffey Elementary
\$100 Bond	Acid Rain and Spirogyra Algae / The Cell Structure			
5	Jordyn Edwards	E259	5	Chatfield School
\$100 Bond	How Does Wattage Affect How Much Heat Is Produced?			
5	Rida Khan	E189	4	Genesee Academy
\$100 Bond	The Water Escape			
5	Belal Khoulani	E115	4	genesee academy
\$100 Bond	Driving safely on ice			

2008

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ELEMENTARY DIVISION FINALISTS

3/10/2008

PLACE	NAME	PROJECT	GRADE	SCHOOL
5	Faizan Mohammed	E203	4	Genesee Academy
\$100 Bond	Hide & Signal			
5	Nick Richards	E261	4	Chatfield School
\$100 Bond	Building a Crane			
5	Nathaniel Smith	E123	5	BISHOP KELLEY CATHOLIC SCHOOL
\$100 Bond	IS IT PRACTICAL TO BUILD A LIQUID BATTERY?			
5	Andrea Vonderheid	E196	4	Columbiaville Elementary
\$100 Bond	Action and Reaction			
6	Kelsey Branch	E195	4	Columbiaville Elementary
\$50 Bond	Will Plants Grow Better in Water or Soil?			
6	Jason Duncan	E103	5	Buffey Elementary
\$50 Bond	Bubble Buster			
6	Evelyn Gagnon	E159	5	Seton Home Study
\$50 Bond	Electromagnetic Fields and Algae Growth			
6	Demirus Hinton	E255	4	Linden Charter Academy
\$50 Bond	Crystals			

2008

FLINT AREA SCIENCE FAIR PRESS RELEASE  
ELEMENTARY DIVISION FINALISTS

3/10/2008

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PLACE	NAME	PROJECT	GRADE	SCHOOL
6	Matthew Wilson	E208	4	Columbiaville Elementary
\$50 Bond	Magnetic Train			

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