

The following are the results of the 2007 Michigan Science Fair held March 31, 2007 at Kettering University in Flint, Michigan. The Science Fair was one of the largest State Science Fair's in the 13 year history of the fair with 69 students participating from the state. Four students won 4 year scholarships toward Kettering University, a total value of \$80,000. The scholarships are payable at \$5,000 per year for four years for each of the recipients.

Kettering University Scholarships

The following students will receive \$20,000 scholarships for Kettering University, payable as \$5,000 per year for four years.

Thiago D. Olson, William Martin, Elizabeth Williams, and Nicholas Ekladyous

GRAND AWARD

The following Grand Award winners receive a plaque, a \$200 US Savings Bond and an all-expense paid trip to Albuquerque, NM (May 15-19, 2007) where they will compete in the International Science and Engineering Fair.

Amardeep S. Grewal

Project: An Extra Spin on Nerve Regeneration: Synthesis of a Spinal Cord Nerve Conduit
Category: Medicine & Health
Grade: 12
School: Detroit Country Day Upper
Teacher: Gene Menton

Thiago D. Olson

Project: Neutron Activation using an inertial electrostatic confinement fusion reactor
Category: Physics
Grade: 12
School: Stoney Creek High School
Teacher: Eric Thurma

FIRST PLACE

The following First Place winners receive a \$200 US Savings Bond and a plaque.

Shravani Mikkilineni

Project: Dendritic Polymer-Dopamine Conjugation for Targeted Drug Delivery
Category: Medicine & Health
Grade: 11
School: Detroit Country Day Upper
Teacher: Marc Fazio

Harrison P. Nguyen

Project: An Investigation on the Unique Binding Site of SBX
Category: Chemistry
Grade: 11
School: Detroit Catholic Central High School
Teacher: Alan Barker

SECOND PLACE

The following Second Place winners receive a \$100 US Savings Bond and a plaque.

Cody R. Campbell

Project: Got Gas? Hydrogen Production from Sucrose using Microbes
Category: Environmental Sciences
Grade: 10
School: Imlay City High School
Teacher: Mr. Jeffrey Gartrell

Pavel V. Chvykov

Project: Development of an Efficient Laser Pulse Cleaner Based on the XPW Effect
Category: Physics
Grade: 11
School: Wahtinaw Technical Middle College
Teacher: Rob Hagood

William C. Martin

Project: Cooling High Power Density Microprocessors Utilizing a Liquid Metal Coolant
Category: Engineering
Grade: 12
School: Saginaw Arts Science Academy
Teacher: Matt Miller

David B. McMillon

Project: The Plausibility of Energy-based Universal Trilateration: The "Cosmic Compass"
Category: Earth & Space Science
Grade: 11
School: Saginaw Arts Science Academy
Teacher: Gary Johnson

Steven H. Sun

Project: New Drug Combination Effectively Kills Lung Cancer Cells
Category: Medicine and Health
Grade: 12
School: Huron High School
Teacher: Mr. Dee Drake

Akshay A. Verma

Project: Mitigation of the Effects of Pollutants on Plant Growth
Category: Environmental Science
Grade: 10
School: University Liggett High School
Teacher: Alan Beamer

THIRD PLACE

The following Third Place winners receive a \$75 US Savings Bond and a plaque.

Stephanie N. Boileau

Project: Quantification Of The Impact Resistance Of Residential Window Glass
Category: Engineering
Grade: 9
School: Novi Senior High School
Teacher: James Didio

Nolan E. Ford

Project: Effects of Green Tea on Bone Marrow Stem Cells' Survival in a Model of HD.
Category: Biochemistry
Grade: 11
School: Saginaw Arts Science Academy
Teacher: Mr. Dan Sealey

Nikhil R. Iyer

Project: A Study of Phytoremediation in Plants of the Genus Thlaspi

Category: Botany
Grade: 11
School: Detroit Country Day Upper
Teacher: Gene Menton

Marie D. LaCombe

Project: Static Properties of Dust
Category: Earth & Space Sciences
Grade: 12
School: Grosse Pointe North High School
Teacher: Ardis Herrold

Duncan Miller

Project: Textile Take Flight
Category: Engineering
Grade: 10
School: Divine Child High School
Teacher: Marcia Reetz

Thomas B. Thompson

Project: Neural Network Topologies for Number Recognition
Category: Computer Science
Grade: 10
School: Huron High School
Teacher: Mr. Dee Drake

Elizabeth S. Williams

Project: An Epidemiological Analysis of Secretory Leukocyte Protease Inhibitor (SLPI)
Category: Medicine & Health
Grade: 11
School: Saginaw Arts Science Academy
Teacher: Matthew H. Miller

Norman N. Zeng

Project: Do these Chinese Herbs Really Lower the Cholesterol Level?
Category: Biochemistry
Grade: 10
School: Huron High School
Teacher: Mr. Dee Drake

FOURTH PLACE

The following Fourth Place winners receive a \$50 US Savings Bond and a plaque.

Hari S. Arul

Project: Functionalization of Zeolites and Gold for Potential Gene Delivery Use
Category: Chemistry
Grade: 11
School: Detroit Country Day Upper
Teacher: Gene Menton

Katherine Y. Fang

Project: Second Year Study: The Signaling Pathway that Controls Body Weight
Category: Medicine & Health
Grade: 10
School: Pioneer High School
Teacher: Liagyou Rui

Noah J. Gagnon

Project: The Effect of Model Rocket Fin Shape and Profile on Drag
Category: Physics
Grade: 9
School: Seton Homeschool
Teacher: Mary Lou Gagnon

Maureen N. Gibbs

Project: Spray On
Category: Environmental Science
Grade: 12
School: Whiteford Agricultural Schools
Teacher: Janet Weygand

Zeinab A. Hachem

Project: The Potential Fertilizer Effect on the Detroit River
Category: Botany
Grade: 11
School: Dearborn Center for Math, Science & Technology
Teacher: Natasya Shajira

Ayşe B. Hiziroğlu

Project: Thin-film semiconductor vs Crystalline Technology
Category: Physics
Grade: 9
School: Carman Ainsworth High School
Teacher: None

Nicole M. Josey

Project: Serotonin, Dopamine & Norepinephrine: The "scents" of brain chemicals
Category: Biochemistry

Grade: 9
School: Powers Catholic High School
Teacher: Mark Neuman

Benjamin P. Platko

Project: Earthquake Designing a Passive Cooling System for Overclocked Processors
Category: Enigneering
Grade: 10
School: Saginaw Arts Science Academy
Teacher: Daniel Sealey

Zackery J. Schroder

Project: Galaxy Clusters: The Local Effects on Star Synthesis
Category: Earth & Space Sciences
Grade: 12
School: Grosse Pointe North High School
Teacher: Ardis Herrold

Makena R. Schultz

Project: Micropropagation of Daucus Carota
Category: Botany
Grade: 11
School: Onsted High School
Teacher: Mrs. Kim Small
