

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Arlington Country Day

Junior

Zoology

Anna I Pawlowicz

ARE TENEBRIO LARVAE FRIENDS OF THE DARK?

Awards Received

State Team

1st Place Plaque

certificate from Society for In Vitro Biology

pin, entry, certificate from Discovery Young Scientist Challenge

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Bishop Kenny High School

Senior

Behavioral and Social Sciences

Laura Beverly

HOW'S THE WEATHER?

Awards Received

State Team

1st Place Plaque

certificate from American Psychological Association

Brooke Gasson

VISUAL RECOGNITION MEMORY

Awards Received

certificate from U.S. Army

Botany

Walter Wiswell

THE PHYTOTOXICITY OF INSECTICIDES ON MARIGOLDS

Awards Received

2nd Place Ribbon

Elizabeth Nackashi

THE EFFECTS OF ALLIUM SATIVUM ON PLANT GROWTH

Awards Received

150 from Florida Nurserymen, Growers and Landscapers Association

Chemistry

Jack Quaritius

HOW WIND CHILL AFFECTS THE FREEZING TIME OF WATER

Awards Received

4th Place Ribbon

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Bishop Kenny High School

Senior

Computer Science

Michael George Davlantes

CONVERTING A STANDARD COMPUTER INPUT DEVICE TO ACCOMODATE A VIRTUAL REALITY EXPERIENCE PHASE 4

Awards Received

1st Place Plaque

200 from Intel Corporation

certificate from U.S. Army

Medal from U.S. Navy & U.S. Marine Corps

Earth Science

Kourtney Graham

ADDITIVES AFFECT ON THE TRANSFER OF ENERGY IN SOIL

Awards Received

State Team

1st Place Plaque

certificate from Association for Women Geoscientists

David P. Barley Jr.

PAINT ADDITIVE, INSULATION, OR BOTH

Awards Received

50 from Florida Comfort Inc

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Bishop Kenny High School

Senior

Engineering

Leanne Louise Thompson

BIFURCATION OF OIL-WATER EMULSIONS USING ELECTROSTATIC FORCES - YEAR 4

Awards Received

State Team

1st Place Plaque

\$50 Best Buy gift card & plaque from Golder Associates Award

\$50, framed certificate from Society of American Military Engineers

Bronze Medallion, shirt, certificate from U.S. Army

Trophy from Institute of Electrical and Electronic Engineers

certificate from Water Environment Federation-US Stockholm Water Prize Eligibility

Medal from U.S. Navy & U.S. Marine Corps

Sean Valfrid Palmer

DOES THE WEIGHT OF A PROJECTILE EFFECT THE DISTANCE IT TRAVELS

Awards Received

Subscription to Engineering Times from National Society of Professional Engineers

Environmental Science

Andrew Taggart

THE EFFECT OF NITROGEN CONCENTRATION ON OIL DEGRADATION IN SEAWATER

Awards Received

2nd Place Ribbon

certificate from Water Environment Federation-US Stockholm Water Prize Eligibility

Mathematics

William Blanchard

REINVENTING THE WHEEL

Awards Received

State Team

1st Place Plaque

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Bishop Kenny High School

Senior

Microbiology

Sarah Hess

DOES IT WORK? THE EFFECTS OF HAND SANITIZER

Awards Received

shirt, certificate from U.S. Army

Physics

Molly Kovacs

THE EFFECTS OF TEMPERATURE ON THE STRENGTH OF A MAGNET

Awards Received

State Team Alternate 1

3rd Place Ribbon

Nicholas Kassis

THE EFFECT OF TEMPERATURE ON THE HEIGHT A BASEBALL BOUNCES

Awards Received

certificate from Florida Association of Science Teachers (FAST)

25 from Florida Association of Science Teachers (FAST)

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Christ the King School

Junior

Chemistry

Tyler Williamson

CHEMICAL COMPARISON OF DIFFERENT KINDS OF SMOKD

Awards Received

3rd Place Ribbon

Medicine and Health

Bobby Yarborough

DO CERTAIN TYPES OF SUNSCREEN WORK BETTER THAN OTHERS

Awards Received

4th Place Ribbon

Zoology

Clay Ludwig

THE EFFECTS OF ARTIFICIAL LURES ON FISHING SUCCESS

Awards Received

4th Place Ribbon

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Darnell-Cookman Middle School

Junior

Behavioral and Social Sciences

Jessica Alvarez

PUTTING MUSIC TO SPANISH WORDS IMPROVES ADULTS' ABILITY TO RETAIN THE WORDS

Awards Received

3rd Place Ribbon

Botany

Zoe Enriquez

THE EFFECT OF HYDROGEN PEROXIDE ON SEED GERMINATION AND THE ROOTING OF CUTTINGS

Awards Received

State Team Alternate 1

2nd Place Ribbon

Chemistry

Catherine Abernathy

THE EFFECT OF RECYCLED FIBER ON THE STRENGTH OF PAPER

Awards Received

4th Place Ribbon

Heather Overstreet

THE EFFECT OF HOUSEHOLD PRODUCTS ON MIRRORS IN PREVENTING THEM FROM STEAMING UP

Awards Received

4th Place Ribbon

Computer Science

Quinton Coleman

WHAT ARE THE EFFECTS OF DIFFERENT TYPES OF METAL ON MAGNETIC INTERFERENCE WITH DIGITAL DATA?

Awards Received

State Team

1st Place Plaque

pin, entry, certificate from Discovery Young Scientist Challenge

Wireless Mouse and Keyboard from Imaging Technologies

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Darnell-Cookman Middle School

Junior

Computer Science

Spenser Hayward

THE EFFECTS OF COMPUTER PASSWORD COMPLEXITY ON COMPUTER DATA SECURITY

Awards Received

State Team Alternate 5

Earth Science

Jake Friedman

THE EFFECT OF MOTION ON THE GROWTH OF ALUM CRYSTALS

Awards Received

2nd Place Ribbon

Zachary Smythurst

THE EFFECT OF INCREASING THE DENSITY OF A WATER WAVE

Awards Received

3rd Place Ribbon

Engineering

Charlie Bodge

THE EFFECT OF NON-METALLIC REINFORCEMENT MATERIALS ON CONCRETE BEAM STRENGTH

Awards Received

3rd Place Ribbon

\$50 from American Society of Civil Engineers

Oliver Wiegel

CHANGES IN BLADE SHAPE OF A WIND TURBINE AFFECTS THE ENERGY OUTPUT

Awards Received

4th Place Ribbon

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Darnell-Cookman Middle School

Junior

Environmental Science

Lauren Slavens

THE EFFECT OF TESTING DIFFERENT MATERIALS TO SEE IF THEY CAN REPLACE SAND IN SANDBAGS

Awards Received

4th Place Ribbon

Mathematics

Devarshi Desai

THE EFFECT OF THE NUMBER OF SIDES A DICE HAS ON THE PROBABILITY OF ROLLING 18 OR LOWER

Awards Received

State Team

1st Place Plaque

pin, entry, certificate from Discovery Young Scientist Challenge

Sarah Davis

THE EFFECT OF THE NUMBER OF TIMES THAT THE GAME IS PLAYED ON THE PROBABILITY OF WINNING BLACKJACK

Awards Received

State TeamAlternate 2

Medicine and Health

Jessica Plotts

A STUDY OF BLOOD SUGAR LEVEL REGULATION BASED ON VARIABILITY OF INSULIN SOURCE AND FOOD COMPOSITION

Awards Received

2nd Place Ribbon

Physics

Aaron Nicholas Badida

THE EFFECT OF INFRA-RED RADIATION ON TEMPERATURE

Awards Received

4th Place Ribbon

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

DuPont Middle School

Junior

Environmental Science

Emily Taylor

SOIL & WATER

Awards Received

certificate from Florida Association of Science Teachers (FAST)

25 from Florida Association of Science Teachers (FAST)

Taylor Basford

CONTAMINATING AN AQUIFER

Awards Received

1 year subscription to Scientific American from Scientific American

1 year subscription to Scientific American from Scientific American

Physics

Tyler Turrall

GAME, SET, MATCH THE CHALLENGE OF THE HOT VS. COLD TENNIS BALL

Awards Received

4th Place Ribbon

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Eagle Academy

Junior

Chemistry

Haryd Hurst

ERUPTION CORRUPTION

Awards Received

3rd Place Ribbon

Engineering

Annie Ward

SOLAR SOLUTIONS

Awards Received

4th Place Ribbon

50 from Florida Comfort Inc

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Englewood High School

Senior

Medicine and Health

Ravali Veeramachaneni

THE EFFECT OF GATORADE VS. WATER ON KIDNEYS

Awards Received

shirt, certificate from U.S. Army

Physics

Minola Michel

WHAT OTHER FRUITS PRODUCE VOLTAIC ENERGY?

Awards Received

4th Place Ribbon

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Episcopal High School

Junior

Biochemistry

Mike D'Andrea

THE EFFECT OF DIETHYL PHTHALATE ON CERIODAPHNIA DUBIA

Awards Received

Best in Biological Sciences

State Team

1st Place Plaque

pin, entry, certificate from Discovery Young Scientist Challenge

1 year Science News, Eligible for digital camera from Ricoh Corporation

Botany

Alayna Bradley

WHAT IS THE EFFECT OF DIFFERENT HYDROGEN PEROXIDE LEVELS ON SOLANAM LYCOPERSIAM

Awards Received

4th Place Ribbon

Chemistry

Morgan Monroe

ESSENTIAL OILS AS AN ALTERNATE ENERGY SOURCE: COMPARING THE OIL YIELD VS THE HEAT VALUE OF PLANT OIL

Awards Received

Best in Physical Sciences

State Team

1st Place Plaque

pin, entry, certificate from Discovery Young Scientist Challenge

certificate from Lyondell Chemicals

250 from Energy Explorers

Medal from U.S. Navy & U.S. Marine Corps

\$50.00, Book (Observe Eclipses), TELESCOPE from Richard A. Sweetsir Memorial Award

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Episcopal High School

Junior

Chemistry

Amelia Gallagher

THE EFFECT OF ETHANOL LEVELS IN GASOLINE ON THE CO AND PARTICULATES EMISSIONS FROM AN INTERNAL COMBUSTION ENGINE

Awards Received

4th Place Ribbon

Danielle Badger

WHAT IS THE EFFECT OF DIFFERENT LIQUIDS ON HOW QUICKLY METAL RUSTS?

Awards Received

4th Place Ribbon

Engineering

Peter Valenti

THE EFFECT OF WINGLETS ON AIRPLANES

Awards Received

Best in Applied Sciences

State Team

1st Place Plaque

pin, entry, certificate from Discovery Young Scientist Challenge

pen&pencil, PDA, planner, memory stick, from U.S. Air Force

Andrew Jones

THE EFFECTS OF ROOF CONSTRUCTION ON SOLAR HEATING OF RESIDENTIAL BUILDINGS

Awards Received

\$50, framed certificate from Society of American Military Engineers

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Episcopal High School

Junior

Medicine and Health

Dylan Conner

THE EFFECT OF FILAMENT ANCHORING DESIGN ON THE MICROBIAL CONTAMINATION OF TOOTHBRUSHES

Awards Received

State Team

1st Place Plaque

Medal from U.S. Navy & U.S. Marine Corps

pin, entry, certificate from Discovery Young Scientist Challenge

Microbiology

Satchel Siegel

THE EFFECTS OF FOOD ON THE GROWTH OF VIBRIO PARAHAEMOLYTICUS

Awards Received

State Team

1st Place Plaque

pin, entry, certificate from Discovery Young Scientist Challenge

Physics

Elena Goebertus

THE EFFECT OF DIFFERENT HUMIDITY LEVELS ON FIRE SPARKLERS

Awards Received

4th Place Ribbon

Harris Pharr

WHAT ARE THE EFFECTS OF RADAR WAVES ON DIFFERENT ANGLES?

Awards Received

4th Place Ribbon

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Episcopal High School

Junior

Space Science

Katie E. Ladd

THE EFFECTS OF COLORED WRATTEN FILTERS ON THE APPEARANCE OF THE SURFACE OF THE MOON

Awards Received

1st Place Plaque

Palmer Booth

THE EFFECT OF TIME ON SOLAR FLARES

Awards Received

1 yr. NEFAS membership, TELESCOPE from Northeast Florida Astronomical Society

Zoology

Hope English

HOW DO DIFFERENT MATERIALS EFFECT HOW MESODON THYROIDUS MOVE TOWARDS FOOD?

Awards Received

4th Place Ribbon

2nd Place- \$50 from Jacksonville Shell Club

Senior

Behavioral and Social Sciences

Cole Nativity Taylor

ANALYSIS OF THE CORRELATIONS BETWEEN PERFECTIONISTIC TENDENCIES IN PARENTS AND THEIR HIGH-ABILITY CHILDREN

Awards Received

State Team

2nd Place Ribbon

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Episcopal High School

Senior

Chemistry

Nathan Monroe

HARNESSING SOLAR ENERGY: INCREASING THE POWER OUTPUT OF A POLYMER PHOTOVOLTAIC CELL WITH THE ADDITION OF METAL OXIDES AND POLYSTYRENE

Awards Received

ISEF Team Observer

State Team

1st Place Plaque

\$200.00 Bond from Professional Employees Association - JEA

Chemistry & Physics Reference Book from Lyondell Chemicals

shirt, certificate from U.S. Army

3rd Trophy from University of North Florida - College of Computing, Engineering and Construction

250 from Energy Explorers

Chance for \$100 in drawing from International Society for Optical Engineering

Medal from U.S. Navy & U.S. Marine Corps

Environmental Science

Meredith Celeste Boulos

COMPARISON OF THE PHYTODEGRADATION OF TRICHLOROETHYLENE USING SALIX NIGRA AND SALIX CAROLINIANA

Awards Received

ISEF Team

Best in Applied Sciences

State Team

1st Place Plaque

certificate from American Meteorological Society

1 year subscription to Scientific American from Scientific American

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Episcopal High School

Senior

Medicine and Health

Sarah Towers

CURCUMIN ON THE TAU-INDUCED DEGENERATION OF D. MELANOGASTER EYES

Awards Received

State Team

2nd Place Ribbon

Jason Marks

THE RISK OF ASTHMA DEVELOPMENT IN RELATION TO THE G193A SINGLE NUCLEOTIDE POLYMORPHISM IN THE NPPA GENE

Awards Received

3rd Place Ribbon

certificate from Society for In Vitro Biology

Microbiology

Kristin Nicole Myers

THE REDUCTION OF BACTERIAL COLONY COUNTS ON THE DIAPHRAGMS OF STETHOSCOPES THROUGH THE USE OF DIFFER

Awards Received

State Team

1st Place Plaque

\$100.00 Bond from Jacksonville Area Microbiology Society

Medal from U.S. Navy & U.S. Marine Corps

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Episcopal High School

Senior

Physics

Daniel Lawrence Murphy Jr.

DEVELOPMENT OF AN EFFICIENT THERMOACOUSTIC ENGINE YEAR III: OPTIMIZING COMPONENTS OF A TRAVELING WAVE ENGINE

Awards Received

ISEF Team

Best in Physical Sciences

State Team

1st Place Plaque

1st Trophy from University of North Florida - College of Computing, Engineering and Construction

1 year subscription to Scientific American from Scientific American

\$25 Gift card to Barnes & Noble from American Society of Mechanical Engineers

Team Project

Gregory Kennedy and William Kennedy

COMBINATORIAL THERAPY INHIBITS HUMAN METASTATIC MELANOMA CELL PROLIFERATION AND PROMOTES APOPTOSIS

Awards Received

ISEF Team

State Team

2nd Place Ribbon

certificate from U.S. Metric Association

\$100 from WCWJ - Channel 17-Research Paper

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Episcopal High School

Senior

Zoology

Tess Linnea Peterson

CHICKEN EMBRYO GROWTH AFTER EXPOSURE TO MMT, A FUEL ADDITIVE

Awards Received

ISEF Team

Best in Biological Sciences

State Team

1st Place Plaque

Trophy from American Mensa, Jacksonville Chapter

1 year subscription to Scientific American from Scientific American

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Fletcher High School

Senior

Engineering

Stephen Temple

ELECTRIC BRAKING

Awards Received

25 from Director's Award

Subscription to Engineering Times from National Society of Professional Engineers

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Fletcher Middle School

Junior

Behavioral and Social Sciences

Daniel Goodling

RECTANGLES AND THE GOLDEN RATIO

Awards Received

4th Place Ribbon

Chemistry

Cole Miller

HOW SALT AFFECTS THE FREEZING AND THAWING PROSESES OF WATER

Awards Received

4th Place Ribbon

Engineering

Matt Stanford

WHICH HULL DESIGN IS THE FASTEST?

Awards Received

4th Place Ribbon

Bridget Coen

TRUSS ME, ARE TRUSSES REALLY THE STRONGEST SHAPE?

Awards Received

\$50 from American Society of Civil Engineers

Jason Kirkwood

THE EFFECT OF REFLECTIVE SURFACES ON THE OUTPUT OF A PHOTOVOLTAIC PANEL

Awards Received

100 from Society of Broadcast Engineers

Environmental Science

Emily Archer

WATERLOGGED WOOD

Awards Received

4th Place Ribbon

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Highlands Middle School

Junior

Physics

D'Juan Miller

THE EFFECT OF TEMPERATURE ON THE BOUNCE HEIGHT OF A BASKETBALL

Awards Received

25 from Director's Award

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Home Education Resources & Information

Junior

Behavioral and Social Sciences

Katelyn Dery

WHICH BRAIN ARE YOU?

Awards Received

State Team

1st Place Plaque

pin, entry, certificate from Discovery Young Scientist Challenge

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

James Weldon Johnson Middle School

Junior

Behavioral and Social Sciences

Samantha Sherman

THE EFFECT OF BIRTH ORDER ON PERSONALITY TRAITS

Awards Received

2nd Place Ribbon

Libby McCain

DRIVING AND CELL PHONES: ARE THEY REALLY A DANGEROUS DUO?

Awards Received

Remote Controlled Car from Sprint PCS

Botany

Phillip Riley

THE EFFECT OF PHASEOLUS VULGARIS PLANTS ON RAPHANUS SATIVUS AND BETA VULGARIS PLANT GROWTH

Awards Received

State Team

1st Place Plaque

pin, entry, certificate from Discovery Young Scientist Challenge

150 from Florida Nurserymen, Growers and Landscapers Association

Kristen Koehler

THE EFFECT OF POND WATER ON SUNFLOWER HEIGHT

Awards Received

4th Place Ribbon

Chemistry

Kaelyn Ibold

THE EFFECT OF DIFFRENT PH LEVELS ON THE FORMATION OF SODIUM CHLORIDE CRYSTALS

Awards Received

State Team

2nd Place Ribbon

pin, entry, certificate from Discovery Young Scientist Challenge

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

James Weldon Johnson Middle School

Junior

Chemistry

Deirdre Milio

THE EFFECT OF VARYING THE CONCENTRATION OF SOLUTES ON THE MELTING POINT OF WATER-BASED SOLUTIONS

Awards Received

3rd Place Ribbon

Earth Science

Swati Sureka

MULCH TYPES AND WATER RETENTION

Awards Received

1st Place Plaque

certificate from W.I.S.E.- Women in Science Education Awards

Medal from U.S. Navy & U.S. Marine Corps

Engineering

Steven Ibold

THE EFFECT OF UPPER CAMBER ON AIRFOIL LIFT

Awards Received

2nd Place Ribbon

pen&pencil, PDA, planner, memory stick, from U.S. Air Force

Gregory Maier

THE EFFECT OF COMBINATIONS OF INGREDIENTS ON THE COMPRESSIVE STRENGTH OF INTERLOCKING BRICK PAVERS

Awards Received

4th Place Ribbon

Peyton Hull

EFFECT OF COUNTERWEIGHT AND STRING LENGTH ON HEIGHT AND DISTANCE OF A PROJECTILE FROM A TREBUCHET

Awards Received

4th Place Ribbon

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

James Weldon Johnson Middle School

Junior

Environmental Science

Andrew Galler

BEAN BOOSTERS: THE EFFECT OF LEACHATES ON THE GERMINATION AND GROWTH RATE OF PHASEOLUS VULGARIS

Awards Received

State Team Alternate 3

2nd Place Ribbon

Wenli Shao

CAN AFFORDABLE, RECHARGEABLE SOLAR BATTERIES GATHER ENOUGH ENERGY TO RUN A CAR?

Awards Received

4th Place Ribbon

Medicine and Health

Laura Fiacco

THE EFFECT OF AGE AND EXPOSURE ON THE AMOUNT OF SUGAR IN A FRUIT

Awards Received

3rd Place Ribbon

Microbiology

Laura Johnston

EUGLENA GRACILES AND SALT

Awards Received

State Team

2nd Place Ribbon

pin, entry, certificate from Discovery Young Scientist Challenge

Christian Bagrow

THE EFFECTS OF NATURAL AND SYNTHETIC ANTIMICROBIALS ON HELPFUL AND HARMFUL BACTERIA

Awards Received

State Team

3rd Place Ribbon

pin, entry, certificate from Discovery Young Scientist Challenge

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

James Weldon Johnson Middle School

Junior

Microbiology

Carol S. Bahri

EUGLENA IN AGONY?

Awards Received

\$50, plaque from Clive Andriesse Memorial Award

\$50, plaque from Clive Andriesse Memorial Award

Physics

Vignesh Vudatha

THE EFFECT OF VARIOUS SURFACTANTS ON THE REFRACTIVE INDEX OF VARIOUS LIQUIDS UNDER DIFFERENT PH, DENSITY, AND TEMPERATURES

Awards Received

State Team

1st Place Plaque

pin, entry, certificate from Discovery Young Scientist Challenge

Trophy from American Mensa, Jacksonville Chapter

Krishna Raja

THE EFFECT OF AIR COLUMN HEIGHT ON THE RESONANCE FREQUENCY OF TUNING FORKS

Awards Received

2nd Place Ribbon

Joseph Bolling

WAVELENGTHS, ANGLES, AND SOLAR CELL OUTPUT

Awards Received

3rd Place Ribbon

Soha Khedkar

THE EFFECT OF DIFFERENT WAVELENGTHS OF LIGHT ON THE POWER OUTPUT OF SOLAR PANELS

Awards Received

3rd Place Ribbon

\$100 from WCWJ - Channel 17-Research Paper

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

James Weldon Johnson Middle School

Junior

Physics

Amit Patel

CODE RED!

Awards Received

4th Place Ribbon

David Carrison Hager

THE EFFECT OF BAT MATERIAL ON THE DISTANCE A BASEBALL TRAVELS

Awards Received

4th Place Ribbon

Zoology

Rick Schaffer

A COMPARISON OF THE ACTIVITY LEVELS OF THE ASIAN GIANT TORTOISE, MANOURIA EMYS, BY PHOTOPERIOD

Awards Received

State Team

2nd Place Ribbon

pin, entry, certificate from Discovery Young Scientist Challenge

Brandon M. Stevens

THE EFFECT OF PH VARIATION ON THE HATCH RATE AND LONGEVITY OF BRINE SHRIMP

Awards Received

3rd Place Ribbon

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Kirby-Smith Middle School

Junior

Computer Science

Tim Iryshkov

HOW RAM AFFECTS A COMPUTER'S PERFORMANCE

Awards Received

State Team Alternate 4

2nd Place Ribbon

Trophy from Institute of Electrical and Electronic Engineers

Environmental Science

Bailey Croshaw

DOES ROAD CONSTRUCTION ALONG OUR ESTUARIES POSE A THREAT TO OUR MARINE LIFE?

Awards Received

certificate from National Oceanic Atmospheric Administration

\$50 Best Buy gift card & plaque from Golder Associates Award

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Mandarin High School

Senior

Team Project

Betsy McLellan and Rachel Loveland

EXPLOSIONS OF FLAVORS: A MENTOS IN COKE EXPIREMENT WITH A SWEET AND SATISFYING TWIST

Awards Received

25 from Director's Award

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Paxon School for Advanced Studies HS

Senior

Mathematics

Kelsey Cox

DERIVING AN EQUATION RELATING VISCOSITY, TIME, NEGATIVE PRESSURE, AND HEIGHT

Awards Received

2nd Place Ribbon

Nayer Canton

THE EFFECT OF A NBA PLAYER'S HEIGHT ON HIS FREE THROW PERCENTAGE (FTP).

Awards Received

certificate from MU Alpha Theta, The National High School and Two Year College Mathematics Club

Team Project

Frederik Korsgaard and Janka Novakova

WANT A DRINK?

Awards Received

1 year Science News, Eligible for digital camera from Ricoh Corporation

Zoology

Hillary Futch

FERTILIZATION RATES OF ARBACIA PUNCTULATA: INFLUENCE OF CLIMATE CHANGE FACTORS

Awards Received

State Team

2nd Place Ribbon

1st Place - \$75 from Jacksonville Shell Club

certificate from National Oceanic Atmospheric Administration

10, info packet from American Society of Agricultural & Biological Engineers - Florida Section

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Providence School

Junior

Engineering

Kevin Todd

THE EFFECT OF WING DESIGN ON LIFT

Awards Received

3rd Place Ribbon

pen&pencil, PDA, planner, memory stick, from U.S. Air Force

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Ribault High School

Senior

Botany

Jacob Stokes

DOES TEMPERATURE AFFECT THE RATE OF TRANSPIRATION IN PLANTS?

Awards Received

Engraved from Inquiry in Agricultural Science

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

San Jose School

Junior

Biochemistry

Stephen Parker

HOW MUCH VITAMIN C IS IN YOUR JUICE? ANALYSIS BY TITRATION

Awards Received

2nd Place Ribbon

Botany

William O'Leary

THE EFFECT OF HEATING AND FREEZING ON THE GERMINATION OF LETTUCE AND RADISH SEEDS

Awards Received

3rd Place Ribbon

Chemistry

Katy Taggart

THE CHEMILUMINESCENCE OF LUMINOL AND IRON

Awards Received

State Team

2nd Place Ribbon

pin, entry, certificate from Discovery Young Scientist Challenge

Environmental Science

John Masley

HOW IS THE FIT OF CHILDRENS SLEEPWEAR WHEN IT COMES TO FIRE?

Awards Received

State Team

1st Place Plaque

pin, entry, certificate from Discovery Young Scientist Challenge

Brandon Hofmann

WHICH WINDMILL BLADE DESIGN WORKS MOST EFFICIENTLY?

Awards Received

3rd Place Ribbon

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

San Jose School

Junior

Medicine and Health

Paige Carag

ARE SUNBLOCKS WITH HELIOPLEX BETTER THAN SUNBLOCKS WITHOUT HELIOPLEX

Awards Received

4th Place Ribbon

certificate from U.S. Department of Health and Human Services

Physics

Christopher Davlantes

THE EFFECT OF LAMINAR VS. VORTEX AIRFLOW ON THE LIFT GENERATION OF A HOVERCRAFT

Awards Received

State Team

2nd Place Ribbon

certificate from U.S. Metric Association

\$50, framed certificate from Society of American Military Engineers

Medal from U.S. Navy & U.S. Marine Corps

\$25 Gift card to Barnes & Noble from American Society of Mechanical Engineers

pin, entry, certificate from Discovery Young Scientist Challenge

Kyle Dajac

WOULD THE AMOUNT OF WATER PRESSURE HITTING A HYDROELECTRIC GENERATOR AFFECT THE AMOUNT OF ENERGY PRODUCED?

Awards Received

3rd Place Ribbon

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Stanton College Preparatory High School

Senior

Botany

Tina Ng

HOW EFFECTIVE IS GARLIC OIL AS A REPELLENT TO WESTERN HARVESTER ANTS ON CARNATIONS?

Awards Received

1st Place Plaque

Jenna Walton

THE EFFECT OF VARIOUS SOLUTIONS ON THE DEHYDRATION OF CITRUS AURANTIFOLIA AND CITRUS LIMON

Awards Received

3rd Place Ribbon

Chemistry

Savan Dave

WHAT IS THE EFFECT OF DIFFERENT PHOSPHATE CONCENTRATIONS ON THE EFFICIENCY OF CARBON FILTERS?

Awards Received

State Team

2nd Place Ribbon

Engineering

Katie Paulson-Smith

HELIOS 2

Awards Received

State TeamAlternate 2

2nd Place Ribbon

pen&pencil, PDA, planner, memory stick, from U.S. Air Force
medallion, Certificate from Herbert Hoover Young Engineers

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Stanton College Preparatory High School

Senior

Engineering

Paulo Bautista

DESIGNING A THERAPEUTIC COMPRESS POUCH WITH MAGNETS

Awards Received

3rd Place Ribbon

medallion, Certificate from Herbert Hoover Young Engineers

\$50, plaque from Clive Andriesse Memorial Award

\$50, plaque from Clive Andriesse Memorial Award

Microbiology

Debbie Saha

A COMPARISON OF THE ABILITY OF MODERN ANTIBIOTICS VS. ALTERNATIVE MEDICINES IN INHIBITING ACINETOBACTER BAUMANNII GROWTH

Awards Received

State Team

2nd Place Ribbon

Physics

Bing Han

ANALYSIS OF STRUCTURAL AND MAGNETIC PROPERTIES OF CO(108-X)CU(X)

Awards Received

ISEF Team

State Team

2nd Place Ribbon

\$50, framed certificate from Society of American Military Engineers

2nd Trophy from University of North Florida - College of Computing, Engineering and Construction
certificate from ASM International Foundation

1 year subscription to Scientific American from Scientific American

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Stanton College Preparatory High School

Senior

Team Project

Vincent Huynh Dang and Yang Ge

ON THE RAMANUJANCY OF HEISENBERG GRAPHS OVER RINGS OF DEGREE 6 AND HIGHER

Awards Received

ISEF Team

State Team

1st Place Plaque

1 year subscription to Scientific American from Scientific American

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

The Bolles School

Senior

Behavioral and Social Sciences

Molly Appel

HUMAN BODY GESTURES

Awards Received

3rd Place Ribbon

Biochemistry

Cozy Ruan

VITAMIN C BOILS OVER!

Awards Received

1st Place Plaque

Caitlin Mumford

THE EFFECT OF DIFFERENT SOLUTIONS ON TASTE THRESHOLD

Awards Received

2nd Place Ribbon

Botany

David Aung-Din

THE EFFECTS OF LIGHT POLARIZATION ON PLANT GROWTH

Awards Received

4th Place Ribbon

Chance for \$100 in drawing from International Society for Optical Engineering

Chemistry

So-Young Kim

EFFECTS OF EXERCISE: CHANGES IN CARBON DIOXIDE OUTPUT BETWEEN ATHLETES AND NON-ATHLETES

Awards Received

3rd Place Ribbon

certificate from U.S. Army

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

The Bolles School

Senior

Engineering

Eric Parker

THE EFFECT OF HUMIDITY ON CELL PHONE SIGNAL

Awards Received

4th Place Ribbon

100 from Society of Broadcast Engineers

Environmental Science

Kate McCombs

THE EFFECT OF NITROGEN SOLUTION ON ALGAE GROWTH

Awards Received

certificate from American Meteorological Society

Medicine and Health

Sandeep Chalam

RADIO-SENSITIVITY OF RETINAL GANGLION CELLS VS. ENDOTHELIAL CELLS

Awards Received

State Team

1st Place Plaque

certificate from U.S. Department of Health and Human Services

shirt, certificate from U.S. Army

Zach Rogozinski

CONCENTRIC VS. ECCENTRIC MUSCULAR EXERCISE

Awards Received

4th Place Ribbon

Physics

Jane McGraw

THE DIFFERENCES IN SOPRANO AND ALTO VOICES USING SPECTROGRAPHS

Awards Received

4th Place Ribbon

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

The Bolles School

Senior

Zoology

Charles Foster

THE EFFECTS OF MAGNETIC WAVES OF VARYING HERTZ ON FIRE ANTS

Awards Received

Autographed Football from Sprint PCS

2007 Northeast Florida Regional Science and Engineering Fair Awards

February 19 - 21, 2007 ~ FCCJ Deerwood Campus ~ February 22, 2007 ~ FCCJ South Campus

Twin Lakes Middle School

Junior

Zoology

Bailey L Lowery

THE EFFECT OF TEMPERATURE ON CRICKETS

Awards Received

Marine Biology Summer Camp from EcoEd Resources