

**THE THIRTY-FIFTH LONDON DISTRICT SCIENCE AND TECHNOLOGY FAIR  
GALLERIA LONDON  
1-2-3 APRIL 2005**

**Special Awards**

**Western Fair Awards** - 6 awards of \$50 and display of project at the Western Fair

JOANNA VINDEN                      14  
ST. GEORGES SCHOOL, LONDON  
THE ENVIRONMENTAL EFFECT OF WINDSHIELD WASHER FLUID

ALYSIA MAY                      29  
EVELYN HARRISON SCHOOL, LONDON  
HOW LIGHT AFFECTS PLANT GROWTH

ANGELA CROFT                      31  
EVELYN HARRISON SCHOOL, LONDON  
CAN BEAN SEEDS GROW AFTER FREEZING?

ELIZABETH McDONALD                      49  
THAMESFORD PUBLIC SCHOOL  
The Effects of Nitrogen Fertilizers on Run-Off Water

TYLER VERE JORDAN GRANGER                      105  
NORTHDAL CENTRAL SCHOOL, DORCHESTER  
E.COLI IN WATER

KAILEY TREVITHICK                      114  
ST. GEORGES SCHOOL, LONDON  
GROWTH EFFECTS OF MICROWAVE RADIATION ON BEAN SEEDS

**London Public Library Award** - 4 awards to display project at the Central Library

CHRISTOPHER WARREN                      2  
NORTHDAL CENTRAL SCHOOL, DORCHESTER  
PARABOLIC SOUND DISH

LENNEA JOLLIFFE                      17  
PRINCE CHARLES SCHOOL, LONDON  
YOU'RE IN HOT WATER

KELLIE LAW TORIE SHANKS                      107  
NORTHDAL CENTRAL SCHOOL, DORCHESTER  
SUNBLOCK vs UV RAYS

AARON MOGENSEN                      132  
ORCHARD PARK SCHOOL, LONDON

**Discovery Western Award** - one week at Discovery Western Camp

ANTHONY TRAVAGLINI 201  
BYRON WOODS MONTESSORI SCHOOL  
STRESS TEST FOR BRIDGES

**UWO Faculty of Education Award** - 2 cash awards of \$75

JONATHAN McLEOD 101  
A.B. LUCAS SEC. SCHOOL, LONDON  
USING COMPUTER VISION TO MEASURE DISTANCE

RYAN DIVIGALPITIYA 130  
A.B. LUCAS SEC. SCHOOL, LONDON  
ELECTROACTIVE POLYMERS - THE NEW GENERATION OF MOTORS

**Labatt Food and Nutrition Award** - 3 awards of \$50 and plaque

CAROLINE BEASTALL MEAGAN CLARK 6  
NORTHDALE CENTRAL SCHOOL, DORCHESTER  
CONTAINERS AND MOULD PREVENTION

BETH McKAY 12  
ST. GEORGES SCHOOL, LONDON  
APPETITE ALTERATION

BRIDGET GATSCHENE KAYLEA PIETSCH-BELL 102  
NICHOLAS WILSON SCHOOL, LONDON  
SENSORY INPUT

**Lawson Research Institute Award** - 3 cash awards of \$100 and plaque

SARVESH VARMA 111  
A.B. LUCAS SEC. SCHOOL, LONDON  
IMAGE GUIDED ROBOTIC NEEDLE INSERTION

SHANNON DEVERBER 115  
ST. GEORGES SCHOOL, LONDON  
PROPRIOCEPTION: FOOLING THE MIND

CONRAD FLORYAN 129  
CATHOLIC CENTRAL SEP. SCHOOL, LONDON  
PREDICTION OF ASTHMA ATTACK IN SMALL CHILDREN

**London Regional Children's Museum Awards** - 3 awards of a family pass to the Museum, T shirt

AHMAD HALBOUNI HASSAN MOHAMED 9  
Al-Taqwa Secondary School  
ROCKETS

EMILY KRUGER 10  
WESTFIELD SCHOOL, INGERSOLL  
MAKING YOUR OWN PAPER

ANDY LI DAVID MURRAY 203  
W. SHERWOOD FOX SCHOOL, LONDON  
SOAP

**Research Western Imagination Prizes** - 3 awards of \$150, plaque and lunch at Junior  
Intermediate, Senior levels

**Junior Winner**

KARTIK VAIDESWARAN 118  
MONTESSORI HOUSE OF CHILDREN, LONDON  
THE BUZZER BEATER

**Intermediate Winner**

JONATHAN McLEOD 101  
A.B. LUCAS SEC. SCHOOL, LONDON  
USING COMPUTER VISION TO MEASURE DISTANCE

**Senior Winner**

SARVESH VARMA 111  
A.B. LUCAS SEC. SCHOOL, LONDON  
IMAGE GUIDED ROBOTIC NEEDLE INSERTION

**OES Scientific American Award** - Subscriptions for 1 year of Scientific American  
To Gold medal winners at intermediate and senior levels.

**SCIENCE FAIR DIVISIONAL AWARDS**

**SENIOR DIVISION** (Grades 11 and 12)

**Combined Life Science**

NO ENTRIES

**Combined Physical Science**

FIRST PRIZE: JAMIESON ROBERTS 124  
SIR FREDERICK BANTING SEC. SCHOOL, LONDON  
THE IMPACT ENERGY OF THE MEDIEVAL TREBUCHET AND  
CATAPULT

SECOND PRIZE: NOT AWARDED

THIRD PRIZE: NOT AWARDED

**Combined Technological**

FIRST PRIZE: SARVESH VARMA                      111  
A.B. LUCAS SEC. SCHOOL, LONDON  
IMAGE GUIDED ROBOTIC NEEDLE INSERTION

SECOND PRIZE: NOT AWARDED

THIRD PRIZE: NOT AWARDED

**INTERMEDIATE DIVISION (Grades 9 and 10)****Individual Life Science**

FIRST PRIZE: DAVID WANG                      7  
A.B. LUCAS SEC. SCHOOL, LONDON  
MAKING A MAGIC HERB AGAINST SARS

SECOND PRIZE: NOT AWARDED

THIRD PRIZE: NOT AWARDED

**HONOURABLE MENTION:**

RIMA HALBOUNI                      123  
Al-Taqwa Secondary School  
CLONING

**Individual Physical Science**

FIRST PRIZE: RYAN DIVIGALPITIYA                      130  
A.B. LUCAS SEC. SCHOOL, LONDON  
ELECTROACTIVE POLYMERS - THE NEW GENERATION OF MOTORS

SECOND PRIZE: CONRAD FLORYAN                      129  
CATHOLIC CENTRAL SEP. SCHOOL, LONDON  
PREDICTION OF ASTHMA ATTACK IN SMALL CHILDREN

THIRD PRIZE: NOT AWARDED

**Individual Technological**

FIRST PRIZE: JONATHAN McLEOD                      101  
A.B. LUCAS SEC. SCHOOL, LONDON  
USING COMPUTER VISION TO MEASURE DISTANCE

SECOND PRIZE: NOT AWARDED

THIRD PRIZE: NOT AWARDED

**Group Life Science**

NO ENTRIES

**Group Physical Science**

NO ENTRIES

**Group Technological**

NO ENTRIES

**JUNIOR DIVISION**

**Individual Life Science:**

FIRST PRIZE: TANISHA THAMMAVONGSA 103  
SOUTHRIDGE PUBLIC SCHOOL  
MONKEY BUSINESS: FRIENDS, FAMILY & FUNNY FACES (GENETIC  
RIDDLES)

SECOND PRIZE: IAN FOGARTY 28  
EVELYN HARRISON SCHOOL, LONDON  
LITTLE FLIES, BIG ANSWERS: LOOKING AT GENETICS THROUGH  
THE FRUIT FLY

SCOTT BOLES 127  
ST. MICHAEL SEP. SCHOOL, LONDON  
EYEWITNESS RELIABILITY - CAN IT STAND THE TEST OF TIME?

THIRD PRIZE: BECCA WHITE 113  
BYRON WOODS MONTESSORI SCHOOL  
CONGENITAL COLOUR VISION DEFICIENCY IN A REGULAR  
POPULATION

**HONORABLE MENTIONS:**

JENN AZIZ 21  
ST. GEORGES SCHOOL, LONDON  
WHICH IS THE STRONGEST SENSE TIED TO MEMORY?

ALICIA ALLEN 43  
W. SHERWOOD FOX SCHOOL, LONDON  
ORGANIC COMPOUNDS

KAILEY TREVITHICK 114  
ST. GEORGES SCHOOL, LONDON  
GROWTH EFFECTS OF MICROWAVE RADIATION ON BEAN SEEDS

SHANNON DEVERBER 115  
ST. GEORGES SCHOOL, LONDON  
PROPRIOCEPTION: FOOLING THE MIND

KATHARINE McKELVEY-DONNER 116  
ST. GEORGES SCHOOL, LONDON  
WILL E-MAIL EDUCATION WORK?

**Individual Physical Science**

FIRST PRIZE: NIKHITA SINGH 202  
ORCHARD PARK SCHOOL, LONDON  
POTS AND PANS

SECOND PRIZE: CHEN SUN 38  
ORCHARD PARK SCHOOL, LONDON

THIRD PRIZE: CHRISTOPHER WARREN 2  
NORTHDALÉ CENTRAL SCHOOL, DORCHESTER  
PARABOLIC SOUND DISH

**HONORABLE MENTIONS:**

MATTHEW TRAVAGLINI 11  
BYRON WOODS MONTESSORI SCHOOL  
FREEZING RATES OF DIFFERENT WATERS

JOSHUA ROBINSON 48  
STATIC ELECTRICITY - ITS SHOCKING  
EVELYN HARRISON PUBLIC SCHOOL

ALEXA MacKINNON 125  
ST. MICHAEL SEP. SCHOOL, LONDON  
OPTICAL ILLUSIONS

**Individual Product Evaluation**

FIRST PRIZE: JESSICA HOLMES 42  
ORCHARD PARK SCHOOL, LONDON  
VITAMIN C

SECOND PRIZE: ALEX TELFER 16  
BYRON WOODS MONTESSORI SCHOOL  
IS VINEGAR BETTER THAN DISINFECTANTS AT DISINFECTING?

THIRD PRIZE: KURTIS ZRINI 26  
THAMESFORD SCHOOL, THAMESFORD  
MIGHTY PLASTIC WRAPS

**HONORABLE MENTIONS:**

ELENA MIKITUK 13  
ST. GEORGES SCHOOL, LONDON  
IS IT NECESSARY TO MAKE HAND SOAPS ANTIBACTERIAL?

ANNIE LEGATE-WOLFE 20  
ST. GEORGES SCHOOL, LONDON  
MOULD GROWTH

ALYSHA WALTERS 47  
THAMESFORD SCHOOL, THAMESFORD  
COMPARING POPCORN

**Individual Technological**

FIRST PRIZE: LENNEA JOLLIFFE 17  
PRINCE CHARLES SCHOOL, LONDON  
YOU'RE IN HOT WATER

SECOND PRIZE: EMILY KRUGER 10  
WESTFIELD SCHOOL, INGERSOLL  
MAKING YOUR OWN PAPER

THIRD PRIZE: KARTIK VAIDESWARAN 118  
MONTESSORI HOUSE OF CHILDREN, LONDON  
THE BUZZER BEATER

**HONORABLE MENTIONS:**

ALY WILLETTS 32  
EVELYN HARRISON SCHOOL, LONDON  
BATTERY CURRENTS

BRAD HODGINS 45  
W. SHERWOOD FOX SCHOOL, LONDON  
GOLF BALLS

RATNA VARMA 133  
ORCHARD PARK SCHOOL, LONDON

ANTHONY TRAVAGLINI 201  
BYRON WOODS MONTESSORI SCHOOL  
STRESS TEST FOR BRIDGES

**Group Junior Life Science**

FIRST PRIZE: NOT AWARDED

SECOND PRIZE: TYLER VERE JORDAN GRANGER 105  
NORTHDALE CENTRAL SCHOOL, DORCHESTER  
E.COLI IN WATER

THIRD PRIZE: CAMERON FINDLATER CONNOR McKAY 4  
NORTHDALE CENTRAL SCHOOL, DORCHESTER  
EAT AND RUN  
OLIVIA BUTLER KATHLEEN CURRAN 36  
ST. MICHAEL SEP. SCHOOL, LONDON  
THE BETTA FISH FOOD EXPERIMENT

HONORABLE MENTIONS:

MELISSA McGUFFIN VANESSA BREEN 5  
NORTHDALE CENTRAL SCHOOL, DORCHESTER  
HAVE YOU LOST YOUR MIND?

GILLIAN ROBERTS CHRISTINA COLEIRO 35  
ST. MICHAEL SEP. SCHOOL, LONDON  
EFFECT OF VITAMINS ON PLANT GROWTH

KATE SCHIEMAN CAITLIN EVERED 39  
ORCHARD PARK SCHOOL, LONDON  
BERRY BIG DRYING

**Group Physical Science**

FIRST PRIZE: ANDY LI DAVID MURRAY 203  
W. SHERWOOD FOX SCHOOL, LONDON  
SOAP

SECOND PRIZE: AHMAD HALBOUNI HASSAN MOHAMED 9  
Al-Taqwa Secondary School  
ROCKETS

THIRD PRIZE: RUSSEL LOWRY MAX GOW 41  
ORCHARD PARK SCHOOL, LONDON  
AERODYNAMICS

**Group Product Evaluation**

FIRST PRIZE: CAROLINE BEASTALL MEAGAN CLARK 6  
NORTHDALE CENTRAL SCHOOL, DORCHESTER  
CONTAINERS AND MOULD PREVENTION

SECOND PRIZE: CAITLIN CROLEY SARAH LABERGE 33  
ORCHARD PARK SCHOOL, LONDON  
OUR HOMEMADE LIP BALM

KELLIE LAW TORIE SHANKS 107  
NORTHDALE CENTRAL SCHOOL, DORCHESTER  
SUNBLOCK vs UV RAYS

THIRD PRIZE: ALLEN RHO STEPHANIE SKINKLE 46  
W. SHERWOOD FOX SCHOOL, LONDON  
BRIGHTER SMILE (TEETH WHITENERS)

**Group Technological**

FIRST PRIZE: JEFF HYNES CHRIS O'GORMAN 131  
ORCHARD PARK SCHOOL, LONDON  
ELECTRIC MOTORS



SECOND PRIZE: STEVEN SCOTT RYAN MAGUIRE 3  
NORTHDALE CENTRAL SCHOOL, DORCHESTER  
DO YOU HEAR WHAT I HEAR?

THIRD PRIZE: RYAN HEATH RYAN KERMER 37  
W. SHERWOOD FOX SCHOOL, LONDON  
WATER FILTERS

CHRISTINE SWARTZ KEERSTIN LANGLEY 108  
NORTHDALE CENTRAL SCHOOL, DORCHESTER  
WIND GENERATORS

**Peoples Choice Award** - Wendell Holmes Books - \$40.00 certificate.

RIMA HALBOUNI 123  
Al-Taqwa Secondary School  
CLONING

**SCIENCE FAIR GRAND AWARDS**

**University of Western Ontario Summer Jobs**

DAVID WANG 7  
A.B. LUCAS SEC. SCHOOL, LONDON  
MAKING A MAGIC HERB AGAINST SARS

JONATHAN McLEOD 101  
A.B. LUCAS SEC. SCHOOL, LONDON  
USING COMPUTER VISION TO MEASURE DISTANCE

JAMIESON ROBERTS 124  
SIR FREDERICK BANTING SEC. SCHOOL, LONDON  
THE IMPACT ENERGY OF THE MEDIEVAL TREBUCHET AND CATAPULT

**Trips to the Canada Wide Science Fair**

DAVID WANG 7  
A.B. LUCAS SEC. SCHOOL, LONDON  
MAKING A MAGIC HERB AGAINST SARS

SARVESH VARMA 111  
A.B. LUCAS SEC. SCHOOL, LONDON  
IMAGE GUIDED ROBOTIC NEEDLE INSERTION

NIKHITA SINGH 202  
ORCHARD PARK SCHOOL, LONDON  
POTS AND PANS

### **Sci-Tech Ontario Awards**

**The Ontario Association of Medical Laboratories Award** - Two awards of \$100 + certificate

DAVID WANG 7  
A.B. LUCAS SEC. SCHOOL, LONDON  
MAKING A MAGIC HERB AGAINST SARS

ELENA MIKITIUK 13  
ST. GEORGES SCHOOL, LONDON  
IS IT NECESSARY TO MAKE HAND SOAPS ANTIBACTERIAL?

**Sci-Tech Ontario Stepping Stone Award** - Trip to Canada Wide Science Fair and certificate.

SARVESH VARMA 111  
A.B. LUCAS SEC. SCHOOL, LONDON  
IMAGE GUIDED ROBOTIC NEEDLE INSERTION

**Pfizer Canada Award of Excellence** - Certificate, medal and plaque for school

DAVID WANG 7  
A.B. LUCAS SEC. SCHOOL, LONDON  
MAKING A MAGIC HERB AGAINST SARS

**Gamma-Dynacare Award** - \$500 support for trip to Canada Wide Science Fair

DAVID WANG 7  
A.B. LUCAS SEC. SCHOOL, LONDON  
MAKING A MAGIC HERB AGAINST SARS

**Faculty of Health Science** - \$1000 Support for travel to CWSF.

DAVID WANG 7  
A.B. LUCAS SEC. SCHOOL, LONDON  
MAKING A MAGIC HERB AGAINST SARS

**Ann and Hume Cronyn Award** - \$1500 Sponsorship of trip to Canada Wide Science Fair

NIKHITA SINGH 202  
ORCHARD PARK SCHOOL, LONDON  
POTS AND PANS

**University of Ottawa Admission Scholarship** - \$1000 Admission Scholarship

RYAN DIVIGALPITIYA 130  
A.B. LUCAS SEC. SCHOOL, LONDON  
ELECTROACTIVE POLYMERS - THE NEW GENERATION OF MOTORS

**Secondary School Having the Best Senior Exhibit in the Fair**

A. B. Lucas Secondary School

SARVESH VARMA 111

IMAGE GUIDED ROBOTIC NEEDLE INSERTION

**Secondary School Making the Best Overall Contribution to the Fair  
in the Intermediate Division**

A. B. Lucas Secondary School

**Elementary School Making the Best Overall Contribution to the Fair**

Orchard Park Public School