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## SPECIAL AWARDS

### American Meteorological Society Certificate

1031-a	Morgan Mitchell		Niagara's Changing Climate	Wheatley School
1004-b	Daniel Baldinelli		Its Getting Hot in Here	St. Vincent de Paul Catholic Elementary School

### Rotary Club of Niagara-on-the-Lake Award

1039-a	Julia Martuccio		Allergies and EpiPens	St. Vincent de Paul Catholic Elementary School
2024-b	Shahad Abdul-Aziz		Banana Peels' Water	MAC Niagara Islamic School
2018-c	Aimee Kushniruk		Investigating Methods to Prevent and Better Treat Preterm Births in Developing Countries	Sir Winston Churchill Secondary School
3026-d	Athena Liu		Mobile Technology and Triangular Health	Sir Winston Churchill Secondary School

### Ted Rogers Innovation Award

1046-d	Siming He		A Sign Language Translation System Based on Deep Learning	Ridley College
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### Martha Abra Use of Technology Award

3026-d	Athena Liu		Mobile Technology and Triangular Health	Sir Winston Churchill Secondary School
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### The Ontario Association of Certified Engineering Technicians and Technologists Award (OACETT Niagara Chapter)

2040-d	Daniel Genkin		Science AR – Engaging Educational Activities With The Power of Augmented Reality	Sir Winston Churchill Secondary School
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### Manian Award

1018-b	Sydney Broom		Antacids	Lakeview Public Elementary School
1044-b	Tannin Driedger-Bradshaw		Tannin by Tannin (or The Effect of Different Temperatures on the Solubility of Different Tannins in Water)	St. Michael Catholic Elementary School

### Ridley College Engineering Award

3019-a	Chloe Meisner	Brianna Martinez-Bautista	Robots	Assumption Catholic Elementary School
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### Astronomy and Physics Award

3001-d	Giya Joseph		Examining Layered Rock Formations on West Candor, Mars	Denis Morris Catholic High School
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### Ontario Elementary Catholic Teacher's Association (OECTA)

3017-a	Hannah Delano		Basics of Electronics	St. Mark Catholic Elementary School
2019-a	Nikolaus Petrina		Mysterious Magnets	Our Lady of Fatima Catholic Elementary School
2022-b	Myla Novak		How Windshield Washer Fluid Affects Plant Growth	Our Lady of Fatima Catholic Elementary School
1006-b	Giovann Contini		Is Your Phone Depleting Your Battery?	St. Michael Catholic Elementary School

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### Elementary Teacher's Federation of Ontario (ETFO)

2026-a	Lily Rajkumar		Let's Grow Green	Power Glen Public Elementary School
1076-a	Liam Antonsen		Shocking Development	Power Glen Public Elementary School
2010-b	Christina Hamilton		Can You Train Your Brain	Lakeview Public Elementary School
1010-b	Kaiden Drefko		Does Eye Colour Affect Your Peripheral Vision	Nelles Public Elementary School

### Brock University Earth Science Award

1045-b	Aaliyah Alfieri		Slidin' Sequences	Power Glen Public Elementary School
3001-d	Giya Joseph		Examining Layered Rock Formations on West Candor, Mars	Denis Morris Catholic High School

### Brock University Social Sciences Award

1015-a	Hannah Munderich		The effects of Kinderschema on different age and gender groups	École élémentaire catholique du Sacré-Coeur
1029-c	Abby Kitcher		Learning a Language: What Way Works Best?	Sir Winston Churchill Secondary School

### Brock University Psychology Award

1035-a	Jana Elzuway		Effect of Age on Memory	MAC Niagara Islamic School
2011-c	Sarah Chan	Dana Ali	Using Multiple Senses to Enhance Learning and Memorization	Sir Winston Churchill Secondary School

### Brock University Mathematics Award

1045-b	Aaliyah Alfieri		Slidin' Sequences	Power Glen Public Elementary School
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### Brock University Biology Award

1074-a	Eton Binfield		The 5 Second Rule: Fact or Fiction	St. John Catholic Elementary School
3029-b	Erik Iseppon	Nicholas Cervantes	How Wifi Affects Your Body	St. Vincent de Paul Catholic Elementary School
1013-c	Amelia Upper		How Do Different Frequencies Impact Ferrous Circulation In The Presence Of A Cellulose Inhibitor?	Stamford Collegiate Secondary School
3006-d	Zoe Gagnon		Activation of a Receptor for Insulin-like Peptide Decreases Fictive Locomotion in Fruit Fly Larvae	Lakeshore Catholic High School

### Brock University Chemistry Award

1044-b	Tannin Driedger-Bradshaw		Tannin by Tannin (or The Effect of Different Temperatures on the Solubility of Different Tannins in Water)	St. Michael Catholic Elementary School
3010-d	Isabella Daneyko		Modelling the Enzyme Tabersonine 19-Hydroxylase: Computational Evaluation of the Binding of the Natural Substrate	Greater Fort Erie Secondary School

### Brock University Physics Award

1011-a	Samantha Angle		Lean on Me	St. Ann Catholic Elementary School (Pe)
1045-b	Aaliyah Alfieri		Slidin' Sequences	Power Glen Public Elementary School
1069-b	Iyad Alsahli	Isra Alsahli	Does Finger Spreading Affect Swim Speed?	MAC Niagara Islamic

### Accipiter Radar Technologies Award for Engineering Innovation

1046-d	Siming He		A Sign Language Translation System Based on Deep Learning	Ridley College
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### Ontario Institute of Agrolgy, Niagara Branch

2039-b	Jacob Scaletta	Matthew Li	Algae: The Plant Pioneer	St. Michael Catholic Elementary School
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#### Water Environmental Association of Ontario (WEAO)

1014-b	Amritha Rameshkanna		Moringa Magic: A low-cost homemade charcoal-moringa water filter	Independent
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#### Mancuso Chemical Award

3030-d	Daniela Patitucci		Utilizing silane coupling agents to inhibit condensation on glass surfaces	Holy Cross Catholic High School
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#### Statistical Science Award

1068-a	Aine O'Neill		Are Brown Eyes Better	St. Michael Catholic Elementary School
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#### Niagara Electrical Association Award

1084-a	Rico Oberholzer		Static Electricity	St. Mark Catholic Elementary School
1059-b	Jamieson Schilz		The Viability of Static Electricity	École élémentaire catholique Saint-Antoine
1043-c	Tommy Friesen		How Close is Too Close? A Study of Electromagnetic Radiation and Electromagnetic Fields Around Transmission Lines	Sir Winston Churchill Secondary School

#### Canadian Federation of University Women - St. Catharines

2046-c	Dheiksha Jayasankar		Berrytricity: Enhancing Dye-Sensitized Solar Cell Performance Using Rotten Blueberry Extracts	Sir Winston Churchill Secondary School
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#### Marijane Doyle Award

1017-d	Cynthia Wan		Pain, Agitation and Delirium Management in a Community Intensive Care Unit	Sir Winston Churchill Secondary School
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### Ontario Power Generation Award

3023-a	Emilio Geremia		Solar Speedway	Wheatley School
3007-b	Mathias Essig		An Investigation Into An Alternative Heat Source	Independent
1043-c	Tommy Friesen		How Close is Too Close? A Study of Electromagnetic Radiation and Electromagnetic Fields Around Transmission Lines	Sir Winston Churchill Secondary School
2040-d	Daniel Genkin		Science AR – Engaging Educational Activities With The Power of Augmented Reality	Sir Winston Churchill Secondary School

### LifeLabs Award

2005-d	Maximillian Chu		Grapefruit Juice-Mediated Inhibition of Cytochrome P450 1A3 can Enhance Physical Endurance	Ridley College
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### Ontario Horticulture Association - District 9

2032-a	Ivana Mascia	Stella Petrakis	Preserve F/X	St. Vincent de Paul Catholic Elementary School
1061-b	Sydney Robbs		OOPS...I Wet My Plants	Pine Grove Public Elementary School
2046-c	Dheiksha Jayasankar		Berrytricity: Enhancing Dye-Sensitized Solar Cell Performance Using Rotten Blueberry Extracts	Sir Winston Churchill Secondary School
1025-d	Ishan Herath		Vincetoxicum rossicum: Discovery of a Novel Callus Production Protocol for a Highly Invasive Species for Chemical Analysis and Potential Medical Use	Sir Winston Churchill Secondary School

### Hatch

1009-d	Angel Zeng		Airborne Pathogen Killing Electro-spun Nanofiber Medical Mask	Sir Winston Churchill Secondary School
2001-d	Nathan Sheogobind	Justin Beal	Voice-Activated Mechanical Shopping Assistant	Sir Winston Churchill Secondary School

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### CEO Niagara Chapter: Consulting Engineers of Ontario Award

1045-b	Aaliyah Alfieri		Slidin' Sequences	Power Glen Public Elementary School
2046-c	Dheiksha Jayasankar		Berrytricity: Enhancing Dye-Sensitized Solar Cell Performance Using Rotten Blueberry Extracts	Sir Winston Churchill Secondary School
3013-d	Logan VanderWier		Automatic: Cutting out the middle man	Smithville Christian High School

### Innovation Science Award

1059-b	Jamieson Schilz		The Viability of Static Electricity	École élémentaire catholique Saint-Antoine
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### Sikamani Memorial Award

3024-b	Simon Lockyer		Hockey at Home	Power Glen Public Elementary School
1043-c	Tommy Friesen		How Close is Too Close? A Study of Electromagnetic Radiation and Electromagnetic Fields Around Transmission Lines	Sir Winston Churchill Secondary School

### IEEE Prize for Basic Electricity and Magnetism

1084-a	Rico Oberholzer		Static Electricity	St. Mark Catholic Elementary School
1043-c	Tommy Friesen		How Close is Too Close? A Study of Electromagnetic Radiation and Electromagnetic Fields Around Transmission Lines	Sir Winston Churchill Secondary School

### Club Richelieu

1082-a	Anna Lalonde		La dé-évolution des pieds.	École élémentaire catholique Saint-Antoine
2025-b	Émilie Lachance	Christina Zebian	Les fruits et la vitamine C	École élémentaire catholique Immaculée-

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### Gallea Environmental Award

1090-b	Caileigh Hanna		Keep Oil Out Of The Soil	Power Glen Public Elementary School
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### James Draper Memorial Award

2001-d	Nathan Sheogobind	Justin Beal	Voice-Activated Mechanical Shopping Assistant	Sir Winston Churchill Secondary School
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### Vineland Research and Innovation Centre

1060-a	Sophia Heron		How to Keep Cut Flowers Fresh	St. Joseph Catholic Elementary School (Gr)
1034-b	Paige Coles		Râtisser ou non, c'est la question	École élémentaire catholique Immaculée-
1025-d	Ishan Herath		Vincetoxicum rossicum: Discovery of a Novel Callus Production Protocol for a Highly Invasive Species for Chemical Analysis and Potential Medical Use	Sir Winston Churchill Secondary School
3021-d	Swati Anant		The Effects of Exopolysaccharide Production on the Pathogenicity of Erwinia amylovora in Mexico	A. N. Myer Secondary School

### University of Guelph Plant Science Award

1060-a	Sophia Heron		How to Keep Cut Flowers Fresh	St. Joseph Catholic Elementary School (Gr)
1014-b	Amritha Rameshkanna		Moringa Magic: A low-cost homemade charcoal-moringa water filter	Independent
2046-c	Dheiksha Jayasankar		Berrytricity: Enhancing Dye-Sensitized Solar Cell Performance Using Rotten Blueberry Extracts	Sir Winston Churchill Secondary School
1025-d	Ishan Herath		Vincetoxicum rossicum: Discovery of a Novel Callus Production Protocol for a Highly Invasive Species for Chemical Analysis and Potential Medical Use	Sir Winston Churchill Secondary School



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### Niagara Peninsula Fruit & Vegetable Growers Association

2012-a	Sophie Filion	Chloe Filion	Raising Queen Bees - Maximizing Bee Hive Growth	École élémentaire catholique du Sacré-Coeur
2039-a	Graham Tomori		A Study of Robotics	Wheatley School
2046-c	Dheiksha Jayasankar		Berrytricity: Enhancing Dye-Sensitized Solar Cell Performance Using Rotten Blueberry Extracts	Sir Winston Churchill Secondary School
1025-d	Ishan Herath		Vincetoxicum rossicum: Discovery of a Novel Callus Production Protocol for a Highly Invasive Species for Chemical Analysis and Potential Medical Use	Sir Winston Churchill Secondary School

### Ontario Tender Fruit Marketing Board

2012-a	Sophie Filion	Chloe Filion	Raising Queen Bees - Maximizing Bee Hive Growth	École élémentaire catholique du Sacré-Coeur
3021-d	Swati Anant		The Effects of Exopolysaccharide Production on the Pathogenicity of Erwinia amylovora in Mexico	A. N. Myer Secondary School

### Professional Engineers of Ontario

3005-d	Spencer Ireland	Yi Qiu	Application of Computer Vision for Convenient Parking Systems	Sir Winston Churchill Secondary School
3013-d	Logan VanderWier		Automatic: Cutting out the middle man	Smithville Christian High School

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### Niagara Peninsula Conservation Authority

2012-a	Sophie Filion	Chloe Filion	Raising Queen Bees - Maximizing Bee Hive Growth	École élémentaire catholique du Sacré-Coeur
1090-b	Caileigh Hanna		Keep Oil Out Of The Soil	Power Glen Public Elementary School
2039-b	Jacob Scaletta	Matthew Li	Algae: The Plant Pioneer	St. Michael Catholic Elementary School
1025-d	Ishan Herath		Vincetoxicum rossicum: Discovery of a Novel Callus Production Protocol for a Highly Invasive Species for Chemical Analysis and Potential Medical Use	Sir Winston Churchill Secondary School

## CATEGORY AWARDS (CERTIFICATES, MEDALLIONS)

### JUVENILE CATEGORY - HONOURABLE MENTIONS

2021-a	Maya Gwisdek	Elena Soukop	Le son visuel	École élémentaire catholique Immaculée-
1056-a	Caitlin Rocca		Blind Spot	St. Mark Catholic Elementary School
1007-a	Sophie Sekel		Fight The Nitrite	Power Glen Public Elementary School
1076-a	Liam Antonsen		Shocking Development	Power Glen Public Elementary School

### JUVENILE - BRONZE MEDAL

3012-a	Michael Marrese		Fluidized Bed	St. Mark Catholic Elementary School
3023-a	Emilio Geremia		Solar Speedway	Wheatley School

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### JUVENILE - SILVER MEDAL

3019-a	Chloe Meisner	Brianna Martinez-Bautista	Robots	Assumption Catholic Elementary School
1084-a	Rico Oberholzer		Static Electricity	St. Mark Catholic Elementary School

### JUNIOR CATEGORY - HONOURABLE MENTIONS

1012-b	Lexie Thompson-Ferrusi		Five Second Rule	Ridley College
3022-b	Kieran Upton		Expectations	Pine Grove Public Elementary School
1026-b	Grayce Morris		Bacteria Growth	St. Vincent de Paul Catholic Elementary School
1014-b	Amritha Rameshkanna		Moringa Magic: A low-cost homemade charcoal-moringa water filter	Independent
1083-b	Rhylenn Price		Do You Smell That	Pine Grove Public Elementary School
2045-b	Maria Simao		Do magnets affect regeneration in Planaria?	Mother Teresa Catholic Elementary School
1051-b	Tasneem Elatresh		5 Second Rule: Hit or Myth?	Pine Grove Public Elementary School
2033-b	Emma Wylie		The Sleeping Solution	Pine Grove Public Elementary School
1055-b	Emma Massis		Can Diapers Help Your Plants Grow?	Ridley College
1018-b	Sydney Broom		Antacids	Lakeview Public Elementary School

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### JUNIOR CATEGORY - BRONZE MEDAL

1044-b	Tannin Driedger-Bradshaw		Tannin by Tannin (or The Effect of Different Temperatures on the Solubility of Different Tannins in Water)	St. Michael Catholic Elementary School
1069-b	Iyad Alsahli	Isra Alsahli	Does Finger Spreading Affect Swim Speed?	MAC Niagara Islamic
2043-b	Abby Ravazzolo		Makeup Tester Roulette	Pine Grove Public Elementary School
1090-b	Caileigh Hanna		Keep Oil Out Of The Soil	Power Glen Public Elementary School

### JUNIOR CATEGORY - SILVER MEDAL

2020-b	Madison Palabay		So Hot, It's Cold: The Mpemba Effect	Power Glen Public Elementary School
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### INTERMEDIATE CATEGORY - HONOURABLE MENTION

2023-c	Malak Matus		Concentration of Active Chemicals on the Effectiveness of Sunscreen	Sir Winston Churchill Secondary School
1005-c	Rayirth Sivakumar		Finding the Most Efficient Way to Reduce the Effects of Harmful Blue Light Rays on the Eye	Niagara Academy of Tennis
1043-c	Tommy Friesen		How Close is Too Close? A Study of Electromagnetic Radiation and Electromagnetic Fields Around Transmission Lines	Sir Winston Churchill Secondary School

### INTERMEDIATE CATEGORY - SILVER MEDAL

1029-c	Abby Kitcher		Learning a Language: What Way Works Best?	Sir Winston Churchill Secondary School
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### SENIOR CATEGORY - HONOURABLE MENTION

3013-d	Logan VanderWier		Automatic: Cutting out the middle man	Smithville Christian High School
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### SENIOR CATEGORY - BRONZE MEDAL

3010-d	Isabella Daneyko		Modelling the Enzyme Tabersonine 19-Hydroxylase: Computational Evaluation of the Binding of the Natural Substrate	Greater Fort Erie Secondary School
3030-d	Daniela Patitucci		Utilizing silane coupling agents to inhibit condensation on glass surfaces	Holy Cross Catholic High School

### SENIOR CATEGORY - SILVER MEDAL

2001-d	Nathan Sheogobind	Justin Beal	Voice-Activated Mechanical Shopping Assistant	Sir Winston Churchill Secondary School
3006-d	Zoe Gagnon		Activation of a Receptor for Insulin-like Peptide Decreases Fictive Locomotion in Fruit Fly Larvae	Lakeshore Catholic High School

## SCHOOL AWARDS

### JUVENILE CATEGORY - Studio T3 Engineering PLLC Award

**WINNER** St. Mark Catholic Elementary School

### JUNIOR CATEGORY - Lisa's Trophy Shop Award

**WINNER** Power Glen Public Elementary School

**WINNER** Pine Grove Public Elementary School

## BROCK UNIVERSITY ENTRANCE SCHOLARSHIPS

3030-d	Daniela Patitucci		Utilizing silane coupling agents to inhibit condensation on glass surfaces	Holy Cross Catholic High School
3006-d	Zoe Gagnon		Activation of a Receptor for Insulin-like Peptide Decreases Fictive Locomotion in Fruit Fly Larvae	Lakeshore Catholic High School
1025-d	Ishan Herath		Vincetoxicum rossicum: Discovery of a Novel Callus Production Protocol for a Highly Invasive Species for Chemical Analysis and Potential Medical Use	Sir Winston Churchill Secondary School

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### NRSEF PLAQUE FOR OUTSTANDING SCIENCE FAIR TEACHER

**WINNER** Rikki DaCosta Plyley (Power Glen Public Elementary School)

**WINNER** Julie Bedard (Sir Winston Churchill Secondary School)

### CATEGORY AWARDS - GOLD MEDALISTS

#### JUVENILE GOLD - Ontario Power Generation Trophy

1015-a	Hannah Munderich		The effects of Kinderschema on different age and gender groups	École élémentaire catholique du Sacré-Coeur
2012-a	Sophie Filion	Chloe Filion	Raising Queen Bees - Maximizing Bee Hive Growth	École élémentaire catholique du Sacré-Coeur

#### JUNIOR GOLD - Niagara Regional Science and Engineering Fair Junior Category Trophy

1045-b	Aaliyah Alfieri		Slidin' Sequences	Power Glen Public Elementary School
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#### INTERMEDIATE GOLD - Niagara College Trophy

2046-c	Dheiksha Jayasankar		Berrytricity: Enhancing Dye-Sensitized Solar Cell Performance Using Rotten Blueberry Extracts	Sir Winston Churchill Secondary School
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#### SENIOR GOLD - Brock Faculty of Mathematics and Science Award

1025-d	Ishan Herath		Vincetoxicum rossicum: Discovery of a Novel Callus Production Protocol for a Highly Invasive Species for Chemical Analysis and Potential Medical Use	Sir Winston Churchill Secondary School
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#### Intel International Science and Engineering Fair (Intel ISEF), May 12-18, Phoenix Arizona

2046-c	Dheiksha Jayasankar		Berrytricity: Enhancing Dye-Sensitized Solar Cell Performance Using Rotten Blueberry Extracts	Sir Winston Churchill Secondary School
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**CANADA WIDE SCIENCE FAIR**  
 FREDERICTON, NEW BRUNSWICK (MAY 11-17)

2020-b	Madison Palabay		So Hot, It's Cold: The Mpemba Effect	Power Glen Public Elementary School
1029-c	Abby Kitcher		Learning a Language: What Way Works Best?	Sir Winston Churchill Secondary School
2001-d	Nathan Sheogobind	Justin Beal	Voice-Activated Mechanical Shopping Assistant	Sir Winston Churchill Secondary School
3006-d	Zoe Gagnon		Activation of a Receptor for Insulin-like Peptide Decreases Fictive Locomotion in Fruit Fly Larvae	Lakeshore Catholic High School
1045-b	Aaliyah Alfieri		Slidin' Sequences	Power Glen Public Elementary School
1025-d	Ishan Herath		Vincetoxicum rossicum: Discovery of a Novel Callus Production Protocol for a Highly Invasive Species for Chemical Analysis and Potential Medical Use	Sir Winston Churchill Secondary School

**BEST IN FAIR TROPHY**

1025-d	Ishan Herath		Vincetoxicum rossicum: Discovery of a Novel Callus Production Protocol for a Highly Invasive Species for Chemical Analysis and Potential Medical Use	Sir Winston Churchill Secondary School
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