

# South African International Science Fair 2013 - Results



# Stellenbosch Regional EXPO 2013 - Results

## Invited to International Science Fair Interviews

### Environmental Management: study of human interaction with the environment



**Daniel Nuttall**  
Bridge House College  
Grade 9

Daniel received a **gold medal** for his project on growing plants in desert regions. He was also chosen as **Junior Category** winner.

### Agricultural Sciences



**Pieter Brand**  
Paul Roos Gymnasium  
Grade 9

Pieter received a **silver medal** for his project on the effect of different types of fertilizer applications on the growth pattern of oats. He was also chosen as **Junior Category** winner.

### Animal and Veterinary Sciences, including marine animals and Animal Ecology

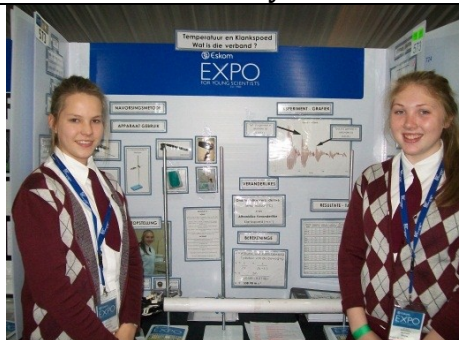


**Natasha Henning**  
Paarl Gymnasium  
Grade 9

Natasha received a **silver medal** for her project on the influence of diet on Sable horn growth.

## Special Awards

### Aeronautical Society of South Africa



**Bianca Cromhout and Hannah Boyes**  
Bloemhof Girls High School  
Grade 9

Bianca and Hannah received R1000 for their project on the relationship between temperature and the speed of sound.

### CBI-Electric: low voltage (Mechanical Engineering award)



**Alitia Grey and Juvan Nel**  
Outeniqua High School  
Grade 11

Alitia and Juvan each received R2500 for their project on how differences in pressure in a closed system can be used to do work and generate electricity.



## HJ van der Bijl Awards



### Larissa Geldenhuys and Elanie van Schalkwyk

Bredasdorp High School  
Grade 11

Larissa and Elanie received R2000 for their project in which they tested whether food that was dropped can be contamination free if picked up within 5 seconds (the Five Second Rule).

## Parasitological Society Award



### Carmen Malan

Bloemhof Girls High School  
Grade 12

Carmen received a book prize for her project on the effectiveness of alternative dewormers.

## Soil Science Society of South Africa – Best Junior Award



### Pieter Brand

Paul Roos Gymnasium  
Grade 9

Pieter received R1500 for his project on the effect of different types of fertilizer applications on the growth pattern of oats.

## United States of America Friendship Book Prize



### Matylda Odachowska

Bredasdorp High School  
Grade 10

Matylda received a book prize for her project in which a saltwater battery was built and tested.

## Gold Medal winners - 4

### Energy: Alternative and renewable



### Alitia Grey and Juvan Nel

Outeniqua High School  
Grade 11

Alitia and Juvan received **gold medals** for their project on how differences in pressure in a closed system can be used to do work and generate electricity.

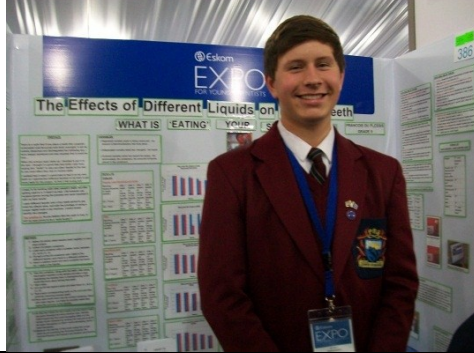
## Environmental Management: study of human interaction with the environment



**Daniel Nuttall**  
Bridge House College  
Grade 9

Daniel received a **gold medal** for his project on growing plants in desert regions. He was also chosen as **Junior Category** winner.

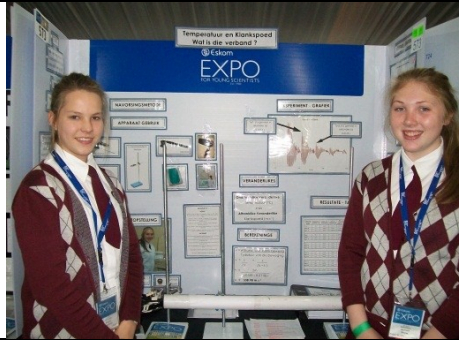
## Health Care and Sport Science



**Francois du Plessis**  
Paul Roos Gymnasium  
Grade 9

Francois received a **gold medal** for his project on the effects of different liquids on human teeth.

## Physics, Astronomy and Space Science



**Bianca Cromhout and Hannah Boyes**  
Bloemhof Girls High School  
Grade 9

Bianca and Hannah received **gold** for their project on the relationship between temperature and the speed of sound. They were also chosen as **Junior Category** winners.

## Silver Medal winners - 11

### Agricultural Sciences



**Pieter Brand**  
Paul Roos Gymnasium  
Grade 9

Pieter received a **silver medal** for his project on the effect of different types of fertilizer applications on the growth pattern of oats. He was also chosen as **Junior Category** winner.

### Animal and Veterinary Sciences, including marine animals and Animal Ecology



**Natasha Henning**  
Paarl Gymnasium  
Grade 9

Natasha received a **silver medal** for her project on the influence of diet on Sable horn growth.



## Energy: Alternative and renewable



### Meghan Jansen van Rensburg and Werner Theron

Punt High School  
Grade 12

Meghan and Werner received **silver medals** for their project on the use of algae as bio-fuel.

## Energy efficiency and energy conservation

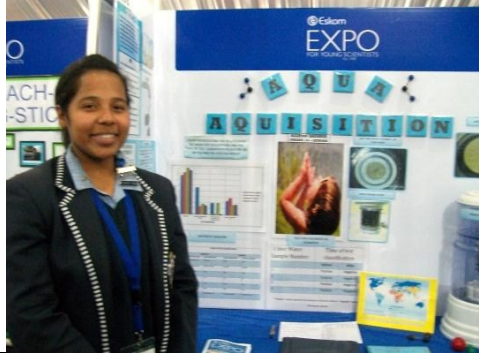


### Janré Hanekom

Bellville High School  
Grade 10

Janré received a **silver medal** for his project on how a middle class family can cost effectively save electricity.

## Engineering: Chemical, Metallurgical and Mining



### Allision Arendse

The Settlers High School  
Grade 10

Allision received a **silver medal** for her project in which she designed and tested different purification systems.

## Environmental Science: changes to the environment



### Amber Clarke and Jade Stephens

Rhenish Girls High School  
Grade 10

Amber and Jade received **silver medals** for their project which tested different materials as sorbent for oil spills and constructing a containment floating device.

## Innovation and Technology including Recycling and Recycled materials



### Angelique Olivier and Denise Coetzee

Bloemhof Girls High School  
Grade 9

Angelique and Denise received **silver medals** for their project in which they investigated if it is possible to use readily available and recycled material to construct a solar water heater for less than R150.

## Microbiology and Biochemistry



### Larissa Goldenhuys and Elanie van Schalkwyk

Bredasdorp High School  
Grade 11

Larissa and Elanie received **silver medals** for their project in which they tested whether food that was dropped can be contamination free if picked up within 5 seconds (the Five Second Rule).

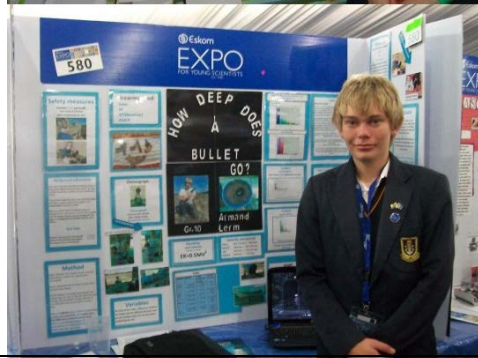
## Physics, Astronomy and Space Science



### Matylda Odachowska

Bredasdorp High School  
Grade 10

Matylda received a **silver medal** for her project in which a saltwater battery was built and tested.



### Armand Lerm

Bellville High School  
Grade 10

Armand received a **silver medal** for his project in which he investigated if the type of ammunition used by police officers is suitable and adequate for their job.

## Social and Psychological Sciences



### Desren Jacobs

Atlantis Senior Secondary School  
Grade 11

Desren received a **silver medal** for his project in which he investigated if the colour of the pen used to mark scripts has an effect on the amount of errors detected by a teacher.

## Bronze Medal winners - 6

### Agricultural Sciences



### Carmen Malan

Bloemhof Girls High School  
Grade 12

Carmen received a **bronze medal** for her project on the effectiveness of alternative dewormers.



## Food Sciences, Food Technology and Healthy Eating (Diet)



### Louise Koen and Danièle Niehaus

Durbanville High School and Bloemhof Girls High School  
Grade 9

Louise and Danièle received **bronze medals** for their project in which they investigated if copper bowls can optimise the volume of whipped egg white under certain circumstances.

## Health Care and Sport Sciences



### Leighlyn Solomons

New Orleans Senior Secondary School  
Grade 9

Leighlyn received a **bronze medal** for her project which tested the alertness of participants after drinking coffee.



### Charlene and Christine Ile

The Settlers High School  
Grade 12 and 11

Charlene and Christine received **bronze medals** for their project which investigated the effectiveness of different water purification methods.

## Innovation and Technology including Recycling and Recycled materials



### Christiaan Marais

Paul Roos Gymnasium  
Grade 9

Christiaan received a **bronze medal** for his innovative collapsible braailamp



### Bulelani Nkupane and Nandipha Boyce

Masibambane High School  
Grade 11

Bulelani and Nandipha received **bronze medals** for their innovative recycled school bag.

## Finalists - 3

### Agricultural Sciences



#### **Wilna Pieterse en Déanie Brand**

Bloemhof Girls High School  
Grade 9

Wilna and Déanie investigated whether the Black Soldier Fly can break down different types of organic waste and thereby reduce the amount of waste that needs to be taken to landfills.

### Chemistry

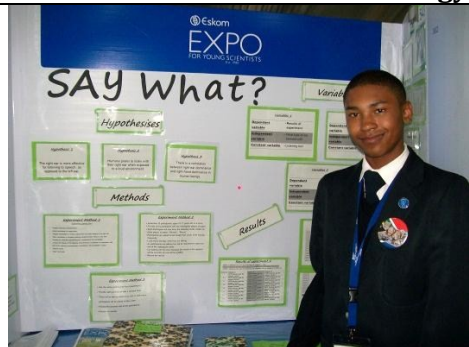


#### **Anri van Wyk**

Bellville High School  
Grade 11

Anri investigated the oxygen concentration in different regions using the rust process as indicator.

### Medical Sciences – Human Biology (anatomy, genetics and physiology)



#### **Brindley Fortuin**

Atlantis Senior Secondary School  
Grade 11

Brindley carried out listening tests to determine if one ear of a human is more effective than the other.






# STELLENBOSCH REGION


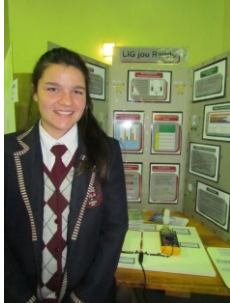


## 2013

## GOLD MEDAL WINNERS



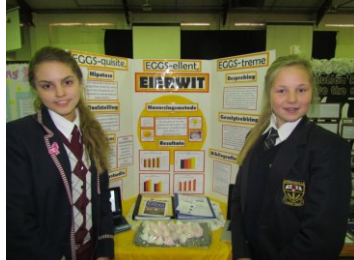
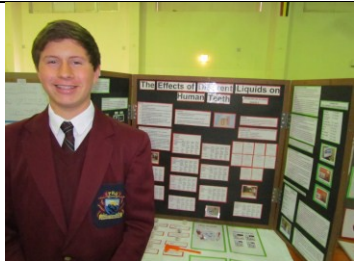
NAME	GRADE	SCHOOL AND REGION	PROJECT TITLE	IMAGE
<b>Agricultural Sciences</b>				
Pieter Brand	9	Paul Roos Gimnasium Stellenbosch	Die invloed van kunsmis aanvullings op die groeipatroon van hawer	
Carmen Malan	12	Hoër Meisieskool Bloemhof Stellenbosch	Alternatiewe parasietbestuur	
Jana Alberts Karlien Heyns	12	Hoër Meisieskool Bloemhof Stellenbosch	Sout strem saad	
Wilna Pieterse Deanie Brand	9	Hoër Meisieskool Bloemhof Stellenbosch	Groot probleme, klein oplossing	





<b>Chemistry</b>				
Hendrik Venter	9	Paul Roos Gimnasium Stellenbosch	Watter sel is jou beste pel?	
<b>Energy: Alternative and renewable</b>				
Clara Steyn Natasha Smith	9	Hoër Meisieskool Bloemhof Stellenbosch	Afvalpapier vir Kaggelvuur	
<b>Energy: Alternative and renewable</b>				
Werner Theron Megan Janse van Rensburg	12	Hoërskool Punt Suid-Kaap	Pond Petrol	
<b>Energy efficiency and energy conservation</b>				
Janré Marius Hanekom	10	Hoërskool Bellville Bellville	Ek sou kon doen met 'n miljoen	

Vanya Conradie Margo Paterson	10	Rhenish Girls' High School Stellenbosch	Are energy efficient bulbs cost effective?	
Marché Witte Néecke Gee	9	Hoër Meisieskool Bloemhof Stellenbosch	Lig jou rande	
<b>Environmental Management</b>				
Daniel Nuttall	9	Bridge House School	Harvest the desert	
Liezl Vermeulen Lize van Wyk	12	Hoër Meisieskool Bloemhof Stellenbosch	Terugspoel met 'n doel	

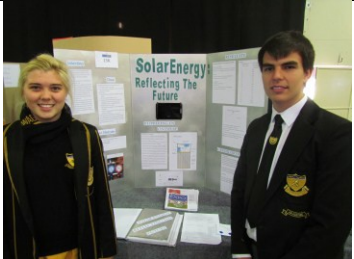


<b>Environmental Science</b>				
Jade Stephens Amber Clarke	10	Rhenish Girls' High School Stellenbosch	Polution kills save the spills	
<b>Food Sciences, Food Technology and healthy eating</b>				
Suzaan Hobson Lijan van Niekerk	10	Rhenish Girls' High School Stellenbosch	Comparison between pasture-reared, free-range and conventional eggs	
Daniëlle Niehaus Louise Koen	9	Hoër Meisieskool Bloemhof EN Hoërskool Durbanville Stellenbosch	Eggs-quisite, Eggs-ellent, Eggs-treme eierwit	
<b>Health Care and Sport Science</b>				
Francois McCabe du Plessis	9	Paul Roos Gimnasium Stellenbosch	The effects of different liquids on human teeth	

**Innovation and Technology**

Christiaan Albert Marais	9	Paul Roos Gimnasium Stellenbosch	Braai lamp	
Angelique Olivier Denise Coetzee	9	Hoër Meisieskool Bloemhof Stellenbosch	Verhitting deur herwinning	

**Physics, Astronomy and Space Science**

Juvan Nel Alitia Grey	11	Hoërskool Outeniqua Suid-Kaap	Solar energy: Reflecting the future	
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**STELLENBOSCH REGIONAL EXPO  
SILVER MEDAL WINNERS**

NAME	GRADE	SCHOOL AND REGION	PROJECT TITLE
<b>Agricultural Sciences</b>			
Michelle Schultz	12	Hoër Meisieskool Bloemhof Stellenbosch	Maak "groen" druiwe "groen" wyn?
Jana Theron Inneke Fortuin	9	Hoër Meisieskool Bloemhof Stellenbosch	Arbeskulêre Mikorrhiza, 'n plant se lewensmaat
<b>Animal and Veterinary Sciences, including marine animals and Animal Ecology</b>			
Jeani Heyns Jehané de Beer	9	Hoër Meisieskool Bloemhof Stellenbosch	Gaardes vol goggas!
Natasha Henning	9	Paarl Gimnasium Paarl	Comparative growth of trophy horns in buck depending on nutritional supplement
<b>Chemistry</b>			
Tyran de Vos	9	Bridge House School Franschhoek	Does a retarder enhance the drying time of a cement-screed floor mix?
Anri van Wyk	11	Hoërskool Bellville Bellville	Suurstofkonsentrasie in drie verskillende gebiede
<b>Energy: Alternative and renewable</b>			
Erin Meerburg	10	Rhenish Girls' High School Stellenbosch	Solar cookers: Silver vs Black
<b>Energy efficiency and energy conservation</b>			
Cameron Shepherd	9	Bridge House School Franschhoek	The effect of temperature on the life of a battery
<b>Engineering: Chemical, Metalurgic and Mining</b>			
Allison Arendse	10	The Settlers High School Bellville	Aqua Aquisition

<b>Environmental Management</b>			
Charlotte Botha Robyn van Eck	9	Hoër Meisieskool Bloemhof Stellenbosch	Glas is klas
<b>Food Sciences, Food Technology and healthy eating</b>			
Ben-Jason Dixon	9	Paul Roos Gimnasium Stellenbosch	Proteïene vs Proteïene
Leighlyn Solomons	9	New Orleans Sekondêre Skool Paarl	Does drinking coffee make you more alert?
Liezl Mouton	11	Hoërskool Bellville Bellville	Energie inhoud van verskillende graanprodukte
Estiaan Raats	9	Paul Roos Gimnasium Stellenbosch	OOO moenie hUIl nie...
Dango Mwambene Biosha Thompson	11	The Settlers High School Bellville	Sweets, Sugar and Snell's Science
<b>Health Care and Sport Science</b>			
Rése Neethling	9	Hoër Meisieskool Bloemhof Stellenbosch	Aborsies is te vrylik beskikbaar en dien as kontrasepsie
Charlene Ile Christine Ile	12	The Settlers High School Bellville	Water ... do it yourself
<b>Innovation and Technology</b>			
Konrad Blümers	9	Bridge House School Franschhoek	Construction materials for the most durable brick
Caitlin Sleet	10	Rhenish Girls' High School Stellenbosch	Resisting fire with cork
Bulelani Nkupane Nandipha Boyce	11	Masibambane Secondary School Kraaifontein	The all-in-one recycled school bag



Ivonne van den Berg Marthie Sieberhagen	9	Hoër Meisieskool Bloemhof Stellenbosch	Jel wen vuur (Babadoek-jel het vuurwerende eienskappe)
<b>Mathematics and Statistics</b>			
Delia Sandilands Anke van Zyl	11	Hoërskool Punt Suid-Kaap	Marks making a point
<b>Medical Sciences - Human Biology</b>			
Brindley Fortuin	11	Atlantis Sekondêre Skool Atlantis	Say what?
Casey de Longen Shah-Noor Khan Niazi	10	Rhenish Girls' High School Stellenbosch	Stepping on temperature
Elizabeth Meyer Jodie Anne de Bruin	11	Bredasdorp Hoërskool Overberg	Human Battery
<b>Microbiology and Biochemistry</b>			
Elanie van Schalkwyk Larissa Geldenhuis	11	Bredasdorp Hoërskool Overberg	Is 5 sekondes kort genoeg om voedsel wat val te red?
Jessica Brtan	10	Rhenish Girls' High School Stellenbosch	The 5 second food rule
<b>Physics, Astronomy and Space Science</b>			
Bianca Cromhout Hannah Boyes	9	Hoër Meisieskool Bloemhof Stellenbosch	Temperatuur en klankspoed. Wat is die verband?
Christa-Mari de Lange	7	Bridge House School Franschhoek	To determine the force required to pop a balloon placed on different surface areas
Armand Lerm	10	Hoërskool Bellville Bellville	Are the ammunition police use adequate?
Matylda Odachowska	10	Bredasdorp Hoërskool Overberg	Can saline water produce electrical energy?

Kobus Meyer	9	Paul Roos Gimnasium Stellenbosch	Weggewaai
<b>Plant Sciences including marine plants and Plant Ecology</b>			
Welmie Erasmus Elmi Uys	8	Bredasdorp Hoërskool Overberg	Affekteer verskillende vloeistowwe die groei van plante (en ontkieming)?
<b>Social and Psychological Sciences</b>			
James Kilbourn	9	Paul Roos Gimnasium Stellenbosch	Kringe in die Bosch
Jana Loots	9	Hoër Meisieskool Bloemhof Stellenbosch	Watter bloedjies boelie?
Suzanne Alberts Anje Engelbrecht	9	Hoër Meisieskool Bloemhof Stellenbosch	Tiener meisies ervaar meer stres as tienerseuns
Desren Jacobs	11	Atlantis Sekondêre Skool Atlantis	The pen effect
Jandré Vorster	9	Paul Roos Gimnasium Stellenbosch	Sjokolade vir punte

**STELLENBOSCH REGIONAL EXPO  
BRONZE MEDAL WINNERS**

NAME	GRADE	SCHOOL AND REGION	PROJECT TITLE
<b>Agricultural Sciences</b>			
Lara Nel	9	Hoër Meisieskool Bloemhof Stellenbosch	Omheining = veilige weiding
Jana Wasserman Jana Heyns	9	Hoër Meisieskool Bloemhof Stellenbosch	Vinnige voer vol voeding
Chandré Arendse Amy-Lee Cyster	9	Hoër Meisieskool Bloemhof	Houtas

		Stellenbosch	
<b>Animal and Veterinary Sciences, including marine animals and Animal Ecology</b>			
Jacobie Mouton René Esterhuysen	9	Hoër Meisieskool Bloemhof Stellenbosch	Die Kaapse grasakkedis en brande: Vlug of skuil
Daniel van der Westhuizen	9	Bridge House School Franschhoek	Risk analysis and survival of tropical butterflies that escape from a butterfly park
<b>Chemistry</b>			
Sean Hall Hendrik Grobbelaar	11	Hoërskool Bellville Bellville	Viskositeit van Motorolies
<b>Energy: Alternative and renewable</b>			
Nina Buys	9	Bridge House School Franschhoek	BIODIESEL - Reduce, Re-use, Recycle
Eben de Villiers	11	Hoërskool Bellville Bellville	Windlaaier kragopwekking
John Aplas	9	Bridge House School Franschhoek	Super photo-voltaic cells - Increasing the work ability of photovoltaic cells
Camille de Villiers	9	Bridge House School Franschhoek	The best oil for making biodiesel
Claire Denosse Amy Lamprecht	10	Rhenish Girls' High School Stellenbosch	Exercise to Energy
Chané van der Westhuizen	11	Hoërskool Punt Suid-Kaap	Recharge your electric car for free
Marnus van den Heever Carli Saayman	9	Bredasdorp Hoërskool Overberg	Is sonkrag beter as windkrag?
Renske van Wyk	10	Curro Privaat Skool Langebaan	Kasterolie plant- Baie skop in sy dop
Rebecca Visser	9	Bridge House School Franschhoek	Cow power
<b>Energy efficiency and energy conservation</b>			
Matthew Carter	9	Bridge House School Franschhoek	Are more expensive batteries worth the cost?



Meghan Gomes	9	Bridge House School Franschhoek	A comparison of the use of a solar powered battery and conventional electricity to charge an iPhone
Johan Cillie	9	Hoërskool Stellenbosch Stellenbosch	Skottelgoed: handwas of gerieflikheid
<b>Engineering: Chemical, Metalurgic and Mining</b>			
Martin du Plessis Celeste du Plessis	10	Curro Privaat Skool Langebaan	Liquid armour
<b>Engineering: Mechanical, Aeronautical and Industrial</b>			
Thulisile Dombela	12	Masibambane Secondary School Kraaifontein	Food trolley with a difference
<b>Environmental Management</b>			
Chan-Lee Damons Jeohanen Swartz	11	Atlantis Sekondêre Skool Atlantis	Dieselized plants
<b>Environmental Science</b>			
Christiaan Fraser	10	Bredasdorp Hoërskool Overberg	Is selfoonradiasie gevaarlik?
<b>Food Sciences, Food Technology and healthy eating</b>			
Emma de Clercq Shannon Morse	10	Rhenish Girls' High School Stellenbosch	Public awareness on nutritional or sport supplements
Zahn Willemse André Steffens	11	Bredasdorp Hoërskool Overberg	Het "rustyd" 'n invloed op bakresulaat?
<b>Health Care and Sport Science</b>			
Paul-Jacob du Toit	9	Bridge House School Franschhoek	Is your cell phone bugged?
Kayla-Ann Weidermann Kelsey Nel	10	Rhenish Girls' High School Stellenbosch	The influence of BMI on increasing heart rate
<b>Innovation and Technology</b>			
Krisjan Fourie Izak-Nel Myburgh	11	Bredasdorp Hoërskool Overberg	Is "Rock"- 'n goeie altrnatief vir "Hout"-papier?

<b>Mathematics and Statistics</b>			
Alten du Plessis	9	Paul Roos Gimnasium Stellenbosch	An analysis of the perceived advantage of playing at home
<b>Medical Sciences - Human Biology</b>			
Rebecca Carter-Smith	10	Rhenish Girls' High School Stellenbosch	The variations in vital signs
Christophé Cronjé	9	Paul Roos Gimnasium Stellenbosch	Die effek van daaglikse roetine op liggaamstemperatuur en reaksietye
Rachel Swanepoel	9	Bridge House School Franschhoek	Sustainable Glycemix Index and the best foods to eat before exercising
<b>Physics, Astronomy and Space Science</b>			
Shakirah Bosman	10	Rhenish Girls' High School Stellenbosch	Can water float on water?
Leon Erasmus Vian van der Westhuizen	9	Bredasdorp Hoërskool Overberg	Word oppervlakspanning beïnvloed deur digtheid van vloeistowwe?
Ross Cuyler	9	Bridge House School Franschhoek	Testing the effectiveness of different types of golf balls
Arielle Combrinck	9	Bridge House School Franschhoek	The effect of temperature and pressure on a ball's bounce
Vicky-Lee Willemse	10	Hoërskool Bellville Bellville	Bonsende balle
Marco Kirsten Braam Heyns	10	Bredasdorp Hoërskool Overberg	Sal temperatuur die werking van 'n magneet beïnvloed?
<b>Plant Sciences including marine plants and Plant Ecology</b>			
Johané Burger Suné Steenkamp	9	Hoër Meisieskool Bloemhof Stellenbosch	Die invloed van temperatuur op die groei van groentegewasse
Naomi Hattingh San-Mari de Reuck	12	Hoër Meisieskool Bloemhof Stellenbosch	Die genetiese kodering van die aalwynfamilie
Eric Schnehage	9	Paul Roos Gimnasium Stellenbosch	Die groei van plante met behulp van gekleurde lig

Jack Swart	9	Paul Roos Gimnasium Stellenbosch	Nou gaan ons braai. Watter vleis op watter kole?
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## STELLENBOSCH REGIONAL EXPO SPECIAL PRIZE WINNERS

<b>Agricultural Sciences</b>				
Jana Wasserman Jana Heyns	9	Hoër Meisieskool Bloemhof Stellenbosch	Vinnige voer vol voeding	Sertifikaat vir die beste projek wat oor ekologie handel - GVSA
Carmen Malan	12	Hoër Meisieskool Bloemhof Stellenbosch	Alternatiewe parasietbestuur	Beste Senior Landbounavorsingsprojek
Wilna Pieterse Deanie Brand	9	Hoër Meisieskool Bloemhof Stellenbosch	Groot probleme, klein oplossing	Beste Junior Landbounavorsingsprojek
<b>Animal and Veterinary Sciences, including marine animals and Animal Ecology</b>				
Jeani Heyns Jehané de Beer	9	Hoër Meisieskool Bloemhof Stellenbosch	Gaardes vol goggas!	Beste Junior Dierwetenskappe-navorsingsprojek
<b>Chemistry</b>				
Anri van Wyk	11	Hoërskool Bellville Bellville	Suurstofkonsentrasie in drie verskillende gebiede	Beste Senior navorsingsprojek wat oor Chemie handel
Hendrik Venter	9	Paul Roos Gimnasium Stellenbosch	Watter sel is jou beste pel?	Beste Junior navorsingsprojek wat oor Chemie handel
<b>Energy: Alternative and renewable</b>				
Werner Theron Megan Janse van Rensburg	12	Hoërskool Punt Suid-Kaap	Pond Petrol	Beste navorsingsprojek wat handel oor hernubare, alternatiewe of volhoubare energie, geborg deur ESKOM



Clara Steyn Natasha Smith	9	Hoër Meisieskool Bloemhof Stellenbosch	Afvalpapier vir Kaggelvuur	Beste Junior navorsingsprojek oor Energie
<b>Energy efficiency and energy conservation</b>				
Janré Marius Hanekom	10	Hoërskool Bellville Bellville	Ek sou kon doen met 'n miljoen	Beste Senior navorsingsprojek oor Energie en Beste navorsingsprojek wat or effektiewe energiegebruik handel, geborg deur ESKOM
<b>Engineering: Chemical, Metalurgic and Mining</b>				
Allison Arendse	10	The Settlers High School Bellville	Aqua Aquisition	Overall best Engineering project
<b>Environmental Management</b>				
Liezl Vermeulen Liese van Wyk	12	Hoër Meisieskool Bloemhof Stellenbosch	Terugspoel met 'n doel	Boekpryse vir die beste Senior projek wat oor die omgewing handel - SIB
Daniel Nuttall	9	Bridge House School	Harvest the desert	Best Junior research project that addresses environmental issues and Book prizes for the best Junior project on the environment - CIB
<b>Environmental Science</b>				
Jade Stephens Amber Clarke	10	Rhenish Girls' High School Stellenbosch	Polution kills save the spills	Best Senior research project that addresses environmental issues
<b>Food Sciences, Food Technology and healthy eating</b>				
Daniëlle Niehaus Louise Koen	9	Hoër Meisieskool Bloemhof EN Hoërskool Durbanville Stellenbosch	Eggs-quisite, Eggs-ellent, Eggs-treme eierwit	Beste Junior navorsingsprojek wat handel oor Voedselwetenskap of Voedseltegnologie
Suzaan Hobson Lijan van Niekerk	10	Rhenish Girls' High School Stellenbosch	Comparison between pasture-reared, free-range and conventional eggs	Best Senior research project on Food science or Food technology

<b>Health Care and Sport Science</b>				
Francois McCabe du Plessis	9	Paul Roos Gimnasium Stellenbosch	The effects of different liquids on human teeth	Beste Junior navorsingsprojek in die Gesondheidsorg kategorie en Beste navorsingsprojek deur 'n seun
Charlene Ile Christine Ile	12	The Settlers High School Bellville	Water ... do it yourself	Best Senior research project in the Health Sciences category
<b>Innovation and Technology</b>				
Angelique Olivier Denise Coetzee	9	Hoër Meisieskool Bloemhof Stellenbosch	Verhitting deur herwinning	Beste Junior projek in Innowering en Tegnologie en herwinning en Beste navorsingsprojek deur 'n meisie, geborg deur ESKOM
Bulelani Nkupane Nandipha Boyce	11	Masibambane Secondary School Kraaifontein	The all-in-one recycled school bag	Best Senior project on Innovation and Technology and recycling and Best development project (maximum use of limited resources), sponsored by ESKOM
<b>Mathematics and Statistics</b>				
Delia Sandilands Anke van Zyl	11	Hoërskool Punt Suid-Kaap	Marks making a point	Best Senior project on Mathematics and Statistics
Alten du Plessis	9	Paul Roos Gimnasium Stellenbosch	An analysis of the perceived advantage of playing at home	Best Junior project on Mathematics and Statistics
<b>Medical Sciences - Human Biology</b>				
Brindley Fortuin	11	Atlantis Sekondêre Skool Atlantis	Say what?	Beste Senior navorsingsprojek in die Mediese wetenskappe
Christophé Cronjé	9	Paul Roos Gimnasium Stellenbosch	Die effek van daaglikse roetine op liggaamstemperatuur en reaksietye	Beste Junior navorsingsprojek in die Mediese wetenskappe
<b>Microbiology and Biochemistry</b>				
Elanie van Schalkwyk Larissa Geldenhuis	11	Bredasdorp Hoërskool Overberg	Is 5 sekondes kort genoeg om voedsel wat val te red?	Beste navorsingsprojek in die Mikrobiologie en Biochemie kategorie

<b>Physics, Astronomy and Space Science</b>				
Juvan Nel Alitia Grey	11	Hoërskool Outeniqua Suid-Kaap	Solar energy: Reflecting the future	Beste Senior navorsingsprojek in 'n Fisika rigting
Bianca Cromhout Hannah Boyes	9	Hoër Meisieskool Bloemhof Stellenbosch	Temperatuur en klankspoed. Wat is die verband?	Beste Junior navorsingsprojek in 'n Fisika rigting
Christa-Mari de Lange	7	Bridge House School Franschhoek	To determine the force required to pop a balloon placed on different surface areas	Best research project by a Gr 7 participant
<b>Plant Sciences including marine plants and Plant Ecology</b>				
Welmie Erasmus Elmi Uys	8	Bredasdorp Hoërskool Overberg	Affekteer verskillende vloeistowwe die groei van plante (en ontkieming)?	Beste Junior navorsingsprojek oor Plantkunde
<b>Social and Psychological Sciences</b>				
Desren Jacobs	11	Atlantis Sekondêre Skool Atlantis	The pen effect	Beste Senior projek wat oor Sosiale probleme en Geestesgesondheid handel
James Kilbourn	9	Paul Roos Gimnasium Stellenbosch	Kringe in die Bosch	Beste Junior projek wat oor Sosiale probleme en Geestesgesondheid handel



