

Our Stellenbosch region's 2011 International Participants!



Khumbulani Ntshidi and Abongile Hlaleleni (Kayamandi High School, Stellenbosch) have been chosen to represent South Africa at the **China Science Fair in Beijing, 21-27 March 2012**. They compared different batteries to determine whether more expensive batteries really lasted longer than less expensive ones. At the National Expo they received **gold medals** and a special prize: • **Eskom Best Development Project**

Our Stellenbosch region's 2011 finalist for possible International Participation



Ananja van der Westhuizen (Grade 10, Rhenish Girls' High School, Stellenbosch) researched water usage in the Stellenbosch area. She was rewarded with a **gold medal** and has gone through to the **second round of judging** for international participation.

The 2011 National competition - Boksburg

The 2011 National competition was held from 5 - 8 October 2011 at the Berchwood Hotel and Conference Centre.



Category: Engineering – Mechanical, Aeronautical and Industrial



Andries Smit (Grade 10, Vanrhynsdorp High School, Vanrhynsdorp) designed a cross-link solution to prevent vehicle accidents caused by bearings failure in roll bolts. He was rewarded with a **gold medal**, received a **Kelvin Award** and was also chosen as **Senior Category winner**.

Category: Agricultural Sciences



Simonne van Eeden (Grade 12, Bloemhof Girls' School, Stellenbosch) compared two methods of planting wheat in the Overberg district. She received a **gold medal** was also chosen as **Senior Category winner**.

Category: Energy (alternative, renewable, sustainable)



Khumbulani Ntshidi and Abongile Hlaleleni (Kayamandi High School, Stellenbosch) compared different batteries to determine whether more expensive batteries really lasted longer than less expensive ones. They received **gold medals** and a special prize: • **Eskom Best Development Project**

Category: Chemistry



Timothy Juries (Grade 11, Atlantis Secondary School, Atlantis) determined that a carbon converter filled with NaOH, installed in a car's exhaust system, absorbed the CO₂ emitted by the car. He received a **gold medal**.

Category: Agricultural Sciences



Zoë Snyman (Grade 10, Rhenish Girls' High School, Stellenbosch) tested whether dried, minced banana peels can remove heavy metals, such as Copper and Lead, from contaminated water. She received a **gold medal**.



Willem Walters (Grade 9, Graafwater High School, Graafwater) researched whether fly populations in a feedlot could be biologically controlled using *Muscidifurax raptor*. He received a **gold medal**.

Category: Engineering - Chemical and Metallurgical



Madrie Nesenberend (Grade 11, Bredasdorp High School, Bredasdorp) built five models that use sun energy to desalt seawater and found that commercial scale desalination using sun energy is possible. She received a **gold medal**.

Category: Plant Sciences



Muriel Phillips and Anthea Boks (Grade 10, Diazville High School, Saldanha) investigated human urine as organic fertilizer for various plants. They received **silver medals** and was awarded a special prize:

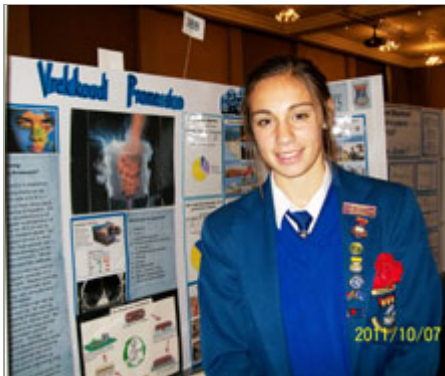
- **University of Pretoria - Departement of Plant Sciences Award (Best project in Plant Sciences)**

Category: Medical Sciences - Diseases and disease causing organisms



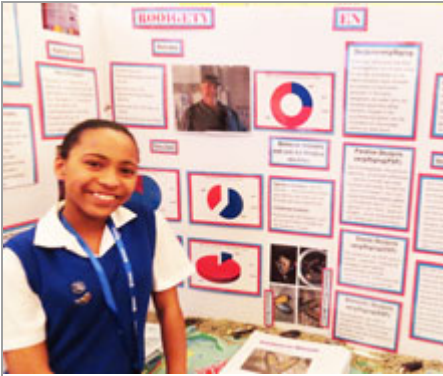
Nicolette Gericke (Grade 11, Wittedrift High School, Plettenberg Bay) was diagnosed with fibromyalgia syndrome 3 years ago. She compared a change of mindset with medication, for relief of chronic pain. She received a **silver medal** and a **Kelvin Award**.

Category: Innovation and Technology



Gabby Manuel (Grade 9, Vredenburg High School, Vredenburg) investigated Promission as an unknown but eco-friendly funeral option that can work in a culturally diverse SA. She received a **silver medal**.

Category: Health and Sport Sciences



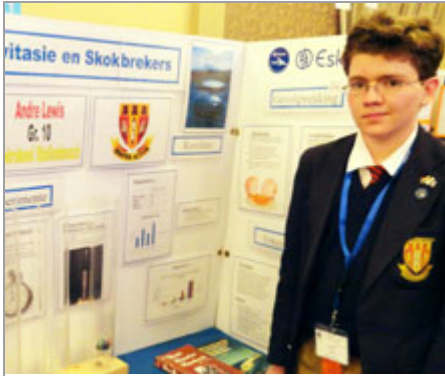
Danielle Mugal (Grade 7, Saldanha Primary School, Saldanha) investigated whether her community was knowledgeable about the causes and dangers of red tide. Interviews, posters and pamphlets were used. She received a **silver medal**.

Category: Environmental Science and Ecology, including Marine ecology



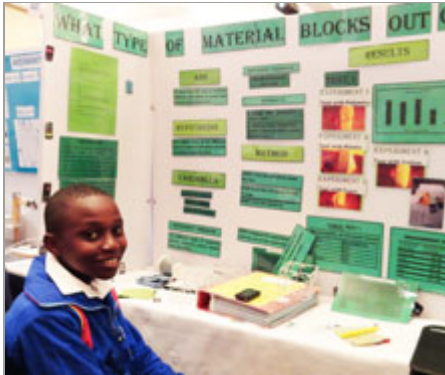
Caleigh Snyman (Grade 10, Rhenish Girls' High School, Stellenbosch) researched plants that have a positive impact on algal bloom by removing the nutrients that algae need to grow. She received a **silver medal**.

Category: Engineering – Mechanical, Aeronautical and Industrial



André Lewis (Grade 10, Stellenbosch High School, Stellenbosch) investigated whether magnetic levitation shock absorbers work better than other types of shock absorbers. He received a **silver medal**.

Category: Physics , Astronomy and Space Science



Axola Diephu (Grade 7, Saldanha Primary School, Saldanha) investigated various types of materials, which, when wrapped around a cellphone, would dim the sound best. He received a **silver medal**.

Category: Energy (alternative, renewable, sustainable)



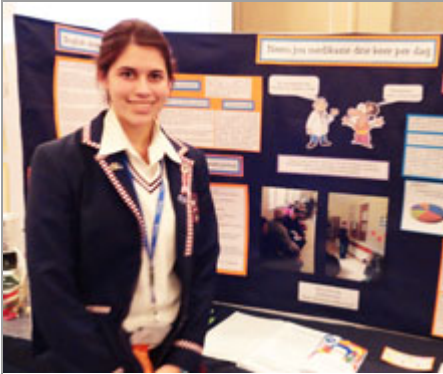
Hazeli Rabe (Grade 9, Vredenburg High School, Vredenburg) investigated whether compost could be used to generate heat through a heat exchanger, for possible use in a household environment. She received a **silver medal**.

Category: Social Sciences



Desren Jacobs (Grade 9, Atlantis Scondary School, Atlantis) analysed different handwriting styles and linked them with the personalities of people. He received a **bronze medal**.



Category: Health and Sport Sciences



Tiana Schultz (Grade 12, Bloemhof Girls' School, Stellenbosch) investigated the reasons patients do not take their medication correctly and made suggestions to improve the situation. She received a **bronze medal**.

Results of the 2011 Regional competition


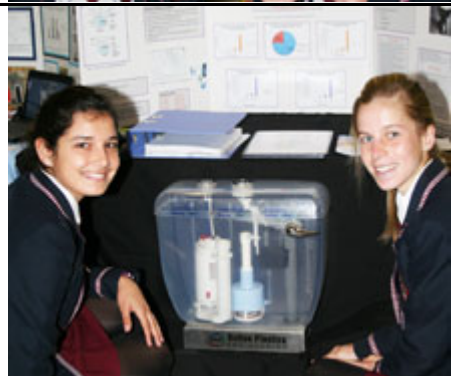
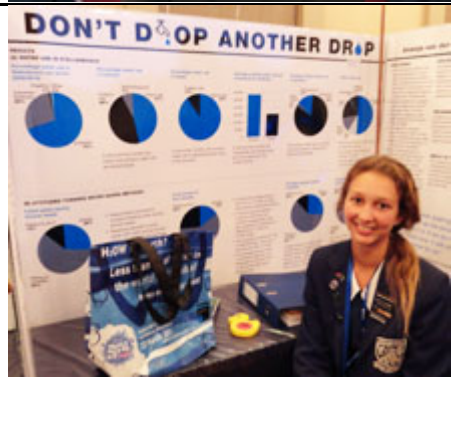
The gold, silver and bronze medal winners

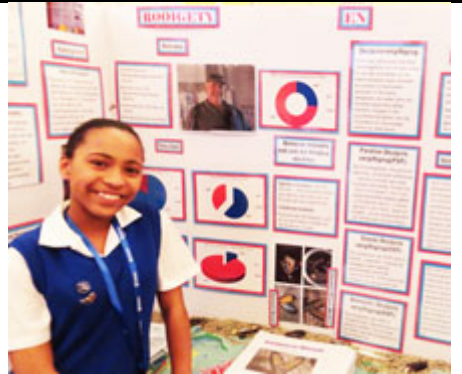

Category	Name/Naam	Gr	School/Skool	Project Title/ Projektitel	Photo/Foto
Agricultural Sciences	Simonne van Eeden	12	Hoër Meisieskool Bloemhof	Die plant van koring in die Overberg lewer beter opbrengste as die saai van koring	
Agricultural Sciences	Willem Walters	9	Hoërskool Graafwater	<i>Muscidifurax raptor</i> maai onder huisvlieg	

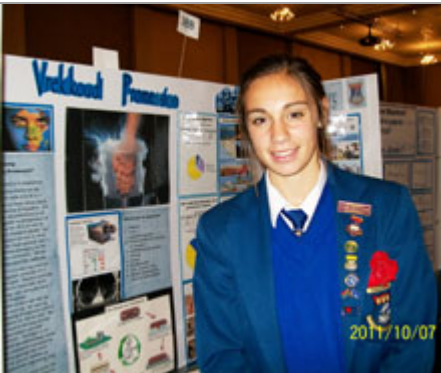


Agricultural Sciences	Zoë Snyman	10	Rhenish Girls' High School	Removing heavy metals from polluted water	
Energy (alternative, renewable, sustainable)	Rachel Weber	9	Bridge House School	Biogas production from cattle dung and household waste	
Energy (alternative, renewable, sustainable)	Anja Jordaan Isabel Theron	9	Hoër Meisieskool Bloemhof	Vandag se kos - môre se krag	

Energy (alternative, renewable, sustainable)	Sarkina Dalwai Antonia Steenkamp	11	Diazville High School	How wood you use it?	
Energy (alternative, renewable, sustainable)	Hazeli Rabe	9	Hoërskool Vredenburg	Kompos kos mos niks	
Energy (alternative, renewable, sustainable)	Riki van Niekerk	10	Rhenish Girls' High School	Towards cleaner hot water	

<p>Engineering – Chemical, Metallurgical</p>	<p>André de Jong Albert de Vries</p>	<p>11</p>	<p>Hoërskool Bellville</p>	<p>Suiker soet, 'n vuurpyl se moed</p>	
<p>Engineering – Mechanical, Aeronautical</p>	<p>Jamie Moses Dimitra Apollis</p>	<p>11</p>	<p>Diazville High School</p>	<p>Marine sanitation for toilet complication</p>	
<p>Environmental Science and Ecology, including marine ecology</p>	<p>Megan Jooste</p>	<p>9</p>	<p>Hoër Meisieskool Bloemhof</p>	<p>Die voëls wat jou tuin besoek kan vermeerder word</p>	

<p>Environmental Science and Ecology, including marine ecology</p>	<p>Liani Strauss Rozanne Mouton</p>	<p>9</p>	<p>Hoër Meisieskool Bloemhof</p>	<p>"Helping 2 Overcome waterborne diseases"</p>	
<p>Environmental Science and Ecology, including marine ecology</p>	<p>Lisa Combrink Olivia Viljoen</p>	<p>9</p>	<p>Hoër Meisieskool Bloemhof</p>	<p>Twee knoppies is koning!</p>	
<p>Environmental Science and Ecology, including marine ecology</p>	<p>Ananja van der Westhuizen</p>	<p>10</p>	<p>Rhenish Girls' High School</p>	<p>Don't drop another drop</p>	

Health Care (prevention, diet, medicine, health technology) and Sports Science	Saskia Kotzé	12	Hoër Meisieskool Bloemhof	Gorrel-goggas in ma se wasmasjien?	
Health Care (prevention, diet, medicine, health technology) and Sports Science	Danielle Mugal	7	Laerskool Saldanha	Rooigety en mossels	 A young woman with dark hair, wearing a blue school uniform, stands behind a science fair booth. The booth is covered with various posters and charts, including one with a red and blue circular diagram. The word 'ROOIGETY' is visible on a sign above her.
Health Care (prevention, diet, medicine, health technology) and Sports Science	Aniska Visser	10	Rhenish Girls' High School	A comparison of water purifiers	 A young woman with blonde hair tied back, wearing a dark school uniform, is looking at a science fair booth. The booth has a blue background with text and diagrams. A white bucket is visible in the foreground.
Innovation and technology	Hannah Rowett	9	Bridge House School	Keep those flood waters at bay!	

<p>Innovation and technology</p>	<p>Gabby Manuel</p>	<p>9</p>	<p>Hoërskool Vredenburg</p>	<p>"Vrek koud" (Promession - alternatiewe begrafnisopsie)</p>	
<p>Medical Sciences - Diseases and disease causing organisms</p>	<p>Nikki Gericke</p>	<p>11</p>	<p>Wittedrift High School</p>	<p>Fibromyalgia</p>	
<p>Plant Sciences including marine plants</p>	<p>Rosemarie de Vink</p>	<p>10</p>	<p>Rhenish Girls' High School</p>	<p>Transpiration of indigenous versus alien</p>	

Recycled Materials	Marlise Theron	9	Hoër Meisieskool Bloemhof	Suksesvolle herwinning is afhanklik van sosiale klas	
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SILWER MEDALJES / SILVER MEDALS

Agricultural Sciences	Anja Badenhorst	12	Hoër Meisieskool Bloemhof	Die wingerd wat in die Blouputsvallei voorkom, bot vroeër as wingerde in die Benede-Oranjerivier
Agricultural Sciences	Mariska Smit Anriëtte Smit	12	Hoër Meisieskool Bloemhof	Die plantgatmetode beïnvloed wingerdprestasie
Agricultural Sciences	Zenelia Griffiths Elvin Weimers	11	Hoërskool Diazville	Vrugtepes uit my gewasse se nes
Agricultural Sciences	Marno Basson Allison Jansen	10	Hoërskool Graafwater	ZnO vs ... "ZnSO ₄ "
Agricultural Sciences	ZA Walters	11	Hoërskool Graafwater	Middelman "vang" produsent met geelvet-slenter
Architecture, Housing, Settlement studies	Alexander van Rensburg	9	Bridge House School	A cool, green roof
Architecture, Housing, Settlement studies	Jana Huysamer	9	Hoër Meisieskool Bloemhof	Pasop! Dit kan jy wees!

Architecture, Housing, Settlement studies	Lize Scribante	10	Rhenish Girls' High School	Glass insulation
Chemistry	Emma Mather-Pike	9	Bridge House School	Organic or non-organic. Is there a difference?
Chemistry	Nicolette van Schalkwyk Carla Truter	10	Hoërskool Bellville	Die uitwerking van antifreeze op motors
Earth Science – Geography and Geology including oceanography	Ruan Kotze	9	Hoërskool Vredenburg	Sonskyn, wind of reënjas
Energy (alternative, renewable, sustainable)	Louise Swanepoel Anmari Smith	9	Hoër Meisieskool Bloemhof	Stirling enjin: 'n eko-vriendelike alternatief
Energy (alternative, renewable, sustainable)	Eliné van Coller	9	Hoër Meisieskool Bloemhof	Stoomgebruik in 'n huishouding
Energy (alternative, renewable, sustainable)	Danielle Swanepoel Xanthe Viljoen	9	Hoër Meisieskool Bloemhof	Komposkrag
Energy (alternative, renewable, sustainable)	Chrissanay Solomons Aslam Dalwai	10	Hoërskool Diazville	Onkruid las gee Biogas
Engineering – Chemical, Metallurgical	Carlien Rust Eloïse Weidemann	11	Hoërskool Vredenburg	Metaan, ek gaan jou slaan
Engineering – Mechanical, Aeronautical	Petri Wiese Jaco Smit	11	Hoërskool Bellville	"The solar car can go far!"
Engineering – Mechanical, Aeronautical	André Lewis	10	Hoërskool Stellenbosch	Magnetiese levitasie en skokbrekers
Engineering – Mechanical, Aeronautical	Andries Smit	10	Hoërskool Vanrhynsdorp	Voorkom ongelukke veroorsaak deur balgewrig-slytasie
Environmental Science and Ecology, including marine ecology	Marna van Wyk Michelle Webber	11	Augsburg Landbou Gimnasium	Biodiversiteit: Konflik tussen natuurbewaring, boer en roofdier

Environmental Science and Ecology, including marine ecology	Winona Wilsnach Miscka Carsten	10	Hoërskool Diazville	Kelp bloeiesels help plant groeiesels
Environmental Science and Ecology, including marine ecology	Nicky van Wyk Tyler Maher	9	Hoërskool Vredenburg	Sout is soet (Ontsouting van seewater)
Environmental Science and Ecology, including marine ecology	Wikus Pretorius	7	Laerskool Saldanha	Plante en O2
Environmental Science and Ecology, including marine ecology	Anné-Mart Stemmet	7	Laerskool Vredendal	Prosopis gladulosa bedreig ondergrondse waterbronne en natuurlike plantegroei
Environmental Science and Ecology, including marine ecology	Selvinnia Beukes Eljo Klein	9	Nieuwoudt Primêre Skool	Bergwater is gesonder as kraanwater
Environmental Science and Ecology, including marine ecology	Frangelique Gal Chantal Jansen	9	Nieuwoudt Primêre Skool	Sigaretstompiewater vs kraanwater: Die beste groeikrag vir plante?
Environmental Science and Ecology, including marine ecology	Caleigh Snyman	10	Rhenish Girls' High School	Algal bloom - green pest
Food Sciences and Food Technology	Emlyn Allwright Carla Pieterse	9	Hoër Meisieskool Bloemhof	Vryloopeiers vitamien D leiers?
Food Sciences and Food Technology	Jamie-Lisa McLean	10	Rhenish Girls' High School	Vit C in citrus fruits
Health Care (prevention, diet, medicine, health technology) and Sports Science	Tiana Schultz	12	Hoër Meisieskool Bloemhof	Neem jou medikasie 3 keer per dag
Health Care (prevention, diet, medicine, health technology) and Sports Science	Cara Kleynhans Maresa Swanepoel	8	Hoërskool Bredasdorp	Sal 'n sterker "core" jou vinnger laat hardloop?

Health Care (prevention, diet, medicine, health technology) and Sports Science	Cornél van Wyk	8	Hoërskool Graafwater	Jy is wat jy eet...feit/fiksie
Health Care (prevention, diet, medicine, health technology) and Sports Science	Katelyn Botha	7	Laerskool Vredendal	Kinders oordoseer op suiker!
Innovation and technology	Chan-Lee Damons Brindley Fortuin	9	Atlantis Sekondêre Skool	Gemak-sak
Innovation and technology	Waltercia Ockhuis Leandra Jansen	8	Nieuwoudt Primêre Skool	Natuurlike skoonmaakmiddels, die oplossing vir 'n groener omgewing
Medical Sciences - Diseases and disease causing organisms	Keisha Williams	8	Hoërskool Diazville	Koper jou loper
Medical Sciences - Diseases and disease causing organisms	Gerald Williams	11	Hoërskool Wittedrift	"Simply a Sore Throat?"
Medical Sciences - Human Biology (anatomy, genetics, physiology)	Kira du Toit	9	Bridge House School	How food substances affect one's singing ability
Medical Sciences - Human Biology (anatomy, genetics, physiology)	Larissa Geldenhuys Elanie van Schalkwyk	9	Hoërskool Bredasdorp	Proe jy met jou neus!
Physics , Astronomy and Space Science	Georgia-Anne Meihuizen	9	Bridge House School	The power of fruit and veg
Physics , Astronomy and Space Science	Ethan Taverner	9	Bridge House School	The power of the karate punch
Physics , Astronomy and Space Science	Stephan van Schalkwyk Daniël Loubser	10	Hoërskool Bellville	Vries warm water vinniger as koue water?

Plant Sciences including marine plants	Muriel Phillips Anthea Boks	10	Hoërskool Diazville	Kan urine die ding doen?
Plant Sciences including marine plants	Derrick Smit	9	Hoërskool Graafwater	Minder "mondjies" minder water
Social and Psychological Sciences	Desren Jacobs	9	Atlantis Sekondêre Skool	TXT-graph
Social and Psychological Sciences	Silke Struwig Erika Basson	9	Hoër Meisieskool Bloemhof	Kinders wat in die eerste 6 maande van die jaar verjaar presteer beter
Social and Psychological Sciences	André Rich Marcel Neethling	11	Hoërskool Bellville	Die "Uncanny Valley" effek
Teaching Aids	Lionel Matthys	9	Hoërskool Vredenburg	"My mom's kitchen is a science lab"
Teaching Aids	Chezréy Vlok Shelley Bowers	7	Saldanha Primary School	Periodic table of elements

BRONS MEDALJES / BRONZE MEDALS

Agricultural Sciences	Oliver Pretorius	9	Bridge House School	New weed killer? Inhibit seed germination with blue gum leaves.
Agricultural Sciences	Johan Vorster	9	Bridge House School	The effect of wind on plant growth
Agricultural Sciences	Vinzanio Galawe Calvin Meintjies	10	Hoërskool Vanrhynsdorp	Veeboere se grootste vyand - rooijakkalse
Agricultural Sciences	Larissa Lombard	9	Hoërskool Vredenburg	Ryk boontjie, arm boontjie
Animal/Veterinary Science, including marine animals	Carli Carinus Daniel Nel	10	Hoërskool Bredasdorp	Geaktiveerde koolstof en vlieë
Animal/Veterinary Science, including marine animals	Dagmar Ouwerneel	10	Rhenish Girls' High School	The influence of shoulder angle on a horses front leg movement

Architecture, Housing, Settlement studies	Zahni Horne	9	Bridge House School	Saving by spending on insulation
Architecture, Housing, Settlement studies	Herné Rautenbach	10	Hoërskool Bellville	Shacksolation: Beste, goedkoopste isolasiemateriaal vir hout-en sinkshacks
Architecture, Housing, Settlement studies	Nicole Vorster	10	Rhenish Girls' High School	A greener house
Chemistry	Timothy Juries	11	Atlantis Sekondêre Skool	Gemorsjors
Chemistry	Carlynnne Johnson	11	Klein-Nederburg Sekondêre Skool	Die suurgehalte van gaskoeldranke
Chemistry	Keagan Blight Ron-Lynn Hendricks	10	The Settlers High School	Oxidation: An apple killer! Can it be prevented?
Chemistry	Dayne Langley	11	The Settlers High School	A sweaty situation
Chemistry	Jerry Langenhoven Tarryn Bailey	11	The Settlers High School	Ready, set, flow!
Chemistry	Ridhwaan Basa Alden Klaasen	11	The Settlers High School	Purifying water, the essence of life
Chemistry	Tatum Kay Jacobs	7	William Lloyd Primary School	The effect temperature has on glowsticks
Energy (alternative, renewable, sustainable)	Suzanne Kruger	9	Hoërskool Vredenburg	Kernkrag - bestaansreg of nie?
Energy (alternative, renewable, sustainable)	Khumbulani Ntshidi Abongile Hlalen	11	Kayamandi High School	Electricity is tops
Energy (alternative, renewable, sustainable)	Támari Theron	7	Laerskool Vredendal	Van afloopwater na biogas
Energy (alternative, renewable, sustainable)	Leila Blom	10	Rhenish Girls' High School	Comparing airborne and ground turbines
Energy (alternative, renewable, sustainable)	Simoné Weidemann	10	Rhenish Girls' High School	Geyser insulation

Engineering – Chemical, Metallurgical	Madrie Nesenberend	11	Hoërskool Bredasdorp	Ontsout seewater
Engineering – Mechanical, Aeronautical	Gerrit de Beer Tiaan Treurnicht	11	Augsburg Landbou Gimnasium	Haat jy draadspan? Ons paalhamers is tops!
Engineering – Mechanical, Aeronautical	Jaco Smit Hugo Basson	11	Augsburg Landbou Gimnasium	Help! Vang die dompelpomp!
Engineering – Mechanical, Aeronautical	Hercules du Plessis Willem van Schalkwyk	11	Hoërskool Bredasdorp	Is gom vir hout sterker as skroewe?
Engineering – Mechanical, Aeronautical	Tannen Crawford	11	The Settlers High School	The perfect "area" to fly
Environmental Science and Ecology, including marine ecology	Helena Costaras	9	Bridge House School	Evaluation of Berg river water - is it a reliable water source?
Environmental Science and Ecology, including marine ecology	Annezelle Doty Carla van Kolwer	8	Hoërskool Diazville	Ystererts
Environmental Science and Ecology, including marine ecology	Samantha Pinto Chandré Cloete	10	Hoërskool Diazville	"Green handprints"
Environmental Science and Ecology, including marine ecology	Shane Jonas	11	Hoërskool Graafwater	Indringer nie REGTIG 'n turksvy nie
Environmental Science and Ecology, including marine ecology	Mambesi Goje Yanga Kamana	11	Kayamandi High School	Kayamandi water misusers
Food Sciences and Food Technology	Shannon van Niekerk	10	Rhenish Girls' High School	The perfect apple

Health Care (prevention, diet, medicine, health technology) and Sports Science	Francois Hanekom Emile Barib	11	Augsburg Landbou Gimnasium	Te min kennis maak verslawende rokers
Health Care (prevention, diet, medicine, health technology) and Sports Science	Ettienne Jacobs Derik Theron	9	Hoërskool Bredasdorp	Tande se reaksie op verskillende vloeistowwe
Health Care (prevention, diet, medicine, health technology) and Sports Science	Nicola Erasmus	11	Hoërskool Bredasdorp	Eie tandepasta die beste!
Health Care (prevention, diet, medicine, health technology) and Sports Science	Curtley Pretorius Kieran Makan	11	Diazville High School	Oily situations
Health Care (prevention, diet, medicine, health technology) and Sports Science	Phillip Lombaard	9	Hoërskool Graafwater	Wie nie waag nie ... wen nie!!
Health Care (prevention, diet, medicine, health technology) and Sports Science	Suemari Bezuidenhout	11	Hoërskool Stellenbosch	Leerders word negatief beïnvloed deur die inname van kleur- en geurmiddels
Health Care (prevention, diet, medicine, health technology) and Sports Science	Naydene Varnicker	9	Hoërskool Velddrif	Basicuta! (Dagga-as self)
Health Care (prevention, diet, medicine, health technology) and Sports Science	Tasneem Adams Raghmat Masoed	7	Saldanha Primary School	Sunglasses
Health Care (prevention, diet, medicine, health technology) and Sports Science	Annique Heyns Jenilee Albanie	7	Nederburg Primêre Skool	Gesigmaskers

Health Care (prevention, diet, medicine, health technology) and Sports Science	Simone Smith	10	Rhenish Girls' High School	I'm thirsty for electrolytes
Innovation and technology	Lindi Goliath Kelli Bushby	7	Mary Help of Christians	Fabrics
Innovation and technology	Chrystal Newman	7	William Lloyd Primary School	Canopy line
Medical Sciences - Diseases and disease causing organisms	Mandie Schrader	11	Hoërskool Wittedrift	Skarlakenkoors
Medical Sciences - Human Biology (anatomy, genetics, physiology)	Tyron Rossouw Colleen Kondowe	11	Atlantis Sekondêre Skool	Goue hare
Medical Sciences - Human Biology (anatomy, genetics, physiology)	Janke van Wyk Jodie-Ann de Bruin	9	Hoërskool Bredasdorp	Sjokolade - Goeie ou trooster of wolf in skaapklere?
Medical Sciences - Human Biology (anatomy, genetics, physiology)	Sias Engelbrecht	12	Hoërskool Graafwater	Hoe proe dit?
Medical Sciences - Human Biology (anatomy, genetics, physiology)	Rouxlé Marais	9	Hoërskool Velddrif	"Me?! Grey?! Noooo!!"
Medical Sciences - Human Biology (anatomy, genetics, physiology)	Carly Johnson Odille Coraizin	9	Hoërskool Vredenburg	Ek is nie 'n lorrie

**This region's representatives at the national competition in Pretoria
from 5-8 October 2011**

Agricultural Sciences	Zoe Snyman	10	Rhenish Girls' High School	Removing heavy metals from polluted water
Energy (alternative, renewable, sustainable)	Khumbulani Ntshidi Abongile Hlalen	11	Kayamandi High School	Electricity is tops
Agricultural Sciences	Willem Walters	9	Hoërskool Graafwater	Muscidifurax raptor maai onder huisvlieg
Health Care (prevention, diet, medicine, health technology) and Sports Science	Danielle Mugal	7	Laerskool Saldanha	Rooigety en mossels
Energy (alternative, renewable, sustainable)	Hazeli Rabe	9	Hoërskool Vredenburg	Kompos kos mos niks
Innovation and technology	Gabby Manuel	9	Hoërskool Vredenburg	"Vrek koud" (Promession - alternatiewe begrafnisopsie)
Social and Psychological Sciences	Desren Jacobs	9	Atlantis Sekondêre Skool	TXT-graph
Engineering – Chemical, Metallurgical	André de Jong Albert de Vries	11	Hoërskool Bellville	Suiker soet, 'n vuurpyl se moed
Medical Sciences - Diseases and disease causing organisms	Nikki Gericke	11	Wittedrift High School	Fibromyalgia
Agricultural Sciences	Simonne van Eeden	12	Hoër Meisieskool Bloemhof	Die plant van koring in die Overberg lewer beter opbrengste as die saai van koring
Environmental Science and Ecology, including marine ecology	Ananja van der Westhuizen	10	Rhenish Girls' High School	Don't drop another drop
Engineering – Mechanical, Aeronautical	Jamie Moses Dimitra Apollis	11	Diazville High School	Marine sanitation for toilet complication

Engineering – Mechanical, Aeronautical	André Lewis	10	Hoërskool Stellenbosch	Magnetiese levitasie en skokbrekers
Engineering – Mechanical, Aeronautical	Andries Smit	10	Hoërskool Vanrhynsdorp	Voorkom ongelukke veroorsaak deur balgewrig-slytasie
Environmental Science and Ecology, including marine ecology	Caleigh Snyman	10	Rhenish Girls' High School	Algal bloom - green pest
Health Care (prevention, diet, medicine, health technology) and Sports Science	Tiana Schultz	12	Hoër Meisieskool Bloemhof	Neem jou medikasie 3 keer per dag
Plant Sciences including marine plants	Muriel Phillips Anthea Boks	10	Hoërskool Diazville	Kan urine die ding doen?
Chemistry	Timothy Juries	11	Atlantis Sekondêre Skool	Gemorsjors
Engineering – Chemical, Metallurgical	Madrie Nesenberend	11	Hoërskool Bredasdorp	Ontsout seewater
Physics , Astronomy and Space Science	Axola Dlephu	7	Saldanha Primary School	What type of materials block out the sound

Special prize winners at Regionals

Special Prize/ Spesiale Prys	Name/Naam	School/Skool	Gr	Project Title/ Projektitel	Category
Best Water Research project, donated by the Water Research Institute, SU	Zoë Snyman	Rhenish Girls' High School	10	Removing heavy metals from polluted water	Agricultural Sciences
Best development research project that was done with limited resources, prize donated by Eskom	Khumbulani Ntshidi Abongile Hlalani	Kayamandi High School	11	Electricity is tops	Energy (alternative, renewable, sustainable)
Best project in Architecture, Housing and Settlement Studies, donated by the Faculty of Education at SU	Lize Scribante	Rhenish Girls' High School	10	Glass insulation	Architecture, Housing, Settlement studies
Best research project on alternative, renewable or sustainable energy, donated by Eskom	Rachel Weber	Bridge House School	9	Biogas production from cattle dung and household waste	Energy (alternative, renewable, sustainable)
Best research project on energy efficiency, made available by Eskom	Riki van Niekerk	Rhenish Girls' High School	10	Towards cleaner hot water	Energy (alternative, renewable, sustainable)
Best Teaching Aids' research project, prize made available by the faculty of Education, SU	Chechréy Vlok Shelley Bowers	Saldanha Primary School	7	Periodic table of elements	Teaching Aids
Beste navorsingsprojek oor Aardwetenskappe, insluitend Geografie, Geologie en Oseanografie, geskenk deur US se Fakulteit Natuurwetenskappe	Ruan Kotze	Hoërskool Vredenburg	9	Sonskyn, wind of reënjas	Earth Science – Geography and Geology including oceanography
Beste navorsingsprojek wat oor herwinning van materiaal handel, bewillig deur fakulteit Opvoedkunde, US	Marlise Theron	Hoër Meisieskool Bloemhof	9	Suksesvolle herwinning is afhanklik van sosiale klas	Recycled Materials
Junior: Beste navorsingsprojek in die Plantwetenskappe, deur Departement Plant- en Dierkunde aan US	Derrick Smit	Hoërskool Graafwater	9	Minder "mondjies" minder water	Plant Sciences including marine plants
Junior: Best research project in Chemistry and Polymer Sciences, made available by the Faculty of Sciences, SU	Emma Mather-Pike	Bridge House School	9	Organic or non-organic. Is there a difference?	Chemistry
Junior: Best research project in Physics, Astronomy and Space	Georgia-Anne Meihuizen	Bridge House School	9	The power of fruit and veg	Physics, Astronomy and Space Science

Sciences, made available by the Faculty of Sciences at SU					
Junior: Beste Landbounavorsingsprojek, beskikbaar gestel deur Fakulteit Agriwetenskappe aan US	Willem Walters	Hoërskool Graafwater	9	Muscidifurax raptor maai onder huisvlieg	Agricultural Sciences
Junior: Beste navorsingsprojek in die Gesondheidsorg kategorie, geskenk deur Natuurwetenskappe Fakulteit, US EN Beste navorsingsprojek deur 'n graad 7 deelnemer, bewillig deur Fakulteit Opvoedkunde, US	Danielle Mugal	Laerskool Saldanha	7	Rooigety en mossels	Health Care (prevention, diet, medicine, health technology) and Sports Science
Junior: Beste navorsingsprojek in die Mediese wetenskappe, geskenk deur Departement Mikrobiologie, US	Keisha Williams	Hoërskool Diazville	8	Koper jou loper	Medical Sciences - Diseases and disease causing organisms
Junior: Beste navorsingsprojek wat handel oor Voedselwetenskap of Voedseltegnologie, geskenk deur die SA Vereniging vir Voedselwetenskap en -tegnologie	Emlyn Allwright Carla Pieterse	Hoër Meisieskool Bloemhof	9	Vryloopeiers vitamien D leiers?	Food Sciences and Food Technology
Junior: Beste navorsingsprojek wat oor Biobrandstof of Bio-energie handel, bewillig deur Departement Wetenskap enTegnologie se Senior leerstoel in Energienavorsing (Biobrandstowwe)	Hazeli Rabe	Hoërskool Vredenburg	9	Kompos kos mos niks	Energy (alternative, renewable, sustainable)
Junior: Beste projek in Innowering en Tegnologie, geskenk deur Fakulteit Ingenieurswese, US	Gabby Manuel	Hoërskool Vredenburg	9	"Vrek koud" (Promession - alternatiewe begrafnisopsie)	Innovation and technology
Junior: Beste projek wat oor sosiale wetenskappe en geestesgesondheid handel, bewillig deur fakulteit Lettere en Wysbegeerte, US	Desren Jacobs	Atlantis Sekondêre Skool	9	TXT-graph	Social and Psychological Sciences
Junior: Boekprys vir die beste junior projek wat oor die Omgewing handel, geskenk deur die Sentrum vir	Lisa Combrink	Hoër Meisieskool Bloemhof	9	Twee knoppies is koning!	Environmental Science and Ecology, including marine

Indringerbiologie (SIB)	Olivia Viljoen				ecology
Senior: Algeheel beste projek in Ingenieurwese, geskenk deur Fakulteit Ingenieurwese, US EN Algeheel Beste navorsingsprojek deur 'n Seun, prys bewillig deur Fakulteit Opvoedkunde, US	André de Jong Albert de Vries	Hoërskool Bellville	11	Suiker soet, 'n vuurpyl se moed	Engineering – Chemical, Metallurgical
Senior: Best research project in the Health Sciences category, donated by the Faculty of Sciences, SU	Aniska Visser	Rhenish Girls' High School	10	A comparison of water purifiers	Health Care (prevention, diet, medicine, health technology) and Sports Science
Senior: Best research project in the Medical Sciences, donated by the Department of Physiology, SU EN Overall best research project by a girl, prize made available by ESKOM	Nikki Gericke	Wittedrift High School	11	Fibromyalgia	Medical Sciences - Diseases and disease causing organisms
Senior: Best research project in the Plant Sciences, by the Department of Plant and Animal Sciences at SU	Rosemarie de Vink	Rhenish Girls' High School	10	Transpiration of indigenous versus alien	Plant Sciences including marine plants
Senior: Best research project on Biofuel and Bio Energy, made available by the Department of Science and Technology, Senior Chair of Energy Research (Biofuels)	Sarkina Dalwai Antonia Steenkamp	Diazville High School	11	How wood you use it?	Energy (alternative, renewable, sustainable)
Senior: Beste Landbounavorsingsprojek, beskikbaar gestel deur Fakulteit Agriwetenskappe aan US	Simonne van Eeden	Hoër Meisieskool Bloemhof	12	Die plant van koring in die Overberg lewer beter opbrengste as die saai van koring	Agricultural Sciences
Senior: Beste navorsingsprojek in Fisika, Sterrekunde en	Stephan van Schalkwyk	Hoërskool Bellville	10	Vries warm water vinniger as koue water?	Physics, Astronomy and Space Science

Ruimtewetenskap, bewillig deur Fakulteit Natuurwetenskappe US	Daniël Loubser				
Senior: Beste projek wat oor sosiale wetenskappe en geestesgesondheid handel, bewillig deur fakulteit Lettere en Wysbegeerte, US	André Rich Marcel Neethling	Hoërskool Bellville	11	Die "Uncanny Valley" effek	Social and Psychological Sciences
Senior: Book prize for the best senior project on the Environment, donated by the Centre for Invasion and Biology (CIB) AND Book prize for the overall best project on the Environment, donated by the Centre for Invasion and Biology (CIB)	Ananja van der Westhuizen	Rhenish Girls' High School	10	Don't drop another drop	Environmental Science and Ecology, including marine ecology