

The 2006 National Expo competition was held in Pretoria at the end of September 2006. Fifteen participants from the Stellenbosch region represented this region at this competition.

Twelve of the 15 projects received medals. All **three** projects receiving **gold**, were also awarded with special prizes and one of the gold medal winners will represent South Africa at the *Intel International Science and Engineering Fair* in Nieu-Mexiko in May 2007. **Six** projects received **silver** and **3 bronze** medals!!! Congratulations! We are very proud of all our participants!

Gold medal winners!



Tanya Kellerman of Citrusdal High School walked away with FOUR prizes!

Apart from winning a gold medal, she also received the Grassland Society of South Africa Award, the prestigious Meiring Naude memorial prize and was one of three participants chosen to represent South Africa at the Intel International Science and Engineering Fair in Nieu-Mexiko in May 2007.

Tanya did research about the use of aloe "juice" in farming with sheep and using it as an effective way to control ticks.



Toni-Farren Vraagom from Diazville High School (near Vredenburg) received a gold medal and was the runner-up in the Energy category.

The title of her research was: *The alpha, beta, gamma solution*.



Ané Horn from Vredenburg High School also won a gold medal as well as the prize from the Royal Society of Chemistry South Africa.

Ané researched the influence of hard water on everyday households.



Silver medals were awarded to:

Caroline Taylor (left) from Bloemhof Hoër Meisieskool in Stellenbosch with her project *Bio-diesel offers improved farm profitability*, entered in the Energy category. Here she is actually MAKING some diesel!

Klara Rossouw (right) from Somerset College in Somerset West participated in the Animal Science category. She did research to determine whether otters can survive in the Lourens River in Somerset West.



Phillip Boyd (left) from New Orleans Senior Secondary School in the Paarl researched Asymmetrical Plasma Electrolysis, in the Energy category.



Heleen van Zyl and Anél Coetzee (right) from Graafwater High School looked at "green" ways to keep ants out of our houses.



Zurika Brand and Ronel Albertyn from Bredasdorp High School (left) researched the water quality of Bredasdorp's stream water.



The title of the project by Lee-Ann de Jager and Monique Cloete (seen here with their teacher, Ms Ursula Booys) was *A passionate water splash*.



All three these projects were entered in the Environmental Science category.



Yolanda Kriel from Bloemhof Hoër Meisieskool in Stellenbosch participated in the Medical category. She researched the contribution of multifactorial stress to cells becoming cancerous.

Bronze medals winners



Amos Petersen and Derik Basson from Vredenburg High School with their project "Pure plesier met vuur", entered in the Mechanical Engineering category.



Michael Kloos and Peter Scott from Somerset College in Somerset West, seen here discussing their project with a judge. They wanted to determine the relationship between the acceleration of a rolling object and its angle of descent. They participated in the Physics category.