

MEDAL WINNERS 2020

WESTERN CAPE

Stellenbosch



GOLD

Name	School	Category	Project Name	Region
Chido Tambara	Curro Durbanville Private School	BIOMEDICAL AND MEDICAL SCIENCES	The Elimination of Bacteria by Various Household Disinfectants	Stellenbosch
Iyabazi Rojie	Curro Durbanville Private School	BIOMEDICAL AND MEDICAL SCIENCES	The Elimination of Bacteria by Various Household Disinfectants	Stellenbosch
Joaline Delport	Hermanus Hoërskool	EARTH SCIENCES	Algae-The Air Purifier	Stellenbosch
Thea-Mari Roos	Bloemhof HS	ENGINEERING	Elektroniese Sommeerder	Stellenbosch
Alexander van der Merwe	Paul Roos Gimnasium	SOCIAL SCIENCES	Can you spot the fake: Computer generated vs human art	Stellenbosch

SILVER

Name	School	Category	Project Name	Region
Annette Mari Bruwer	Bloemhof HS	BIOMEDICAL AND MEDICAL SCIENCES	Die ontwerp van 'n mussie om premature babas se liggaamstemperatuurverlies te voorkom.	Stellenbosch
Amor Rhode	Curro Durbanville Private School	SOCIAL SCIENCES	Can your mental health influence the state of COVID-19?	Stellenbosch
Lara Truter	Bloemhof HS	AGRICULTURAL SCIENCES	DIE EFFEK VAN CANNABIS SATIVA HEMP AS BLAARVOEDING OP SAAILINGE.	Stellenbosch
Sunelle Maass	Bloemhof HS	AGRICULTURAL SCIENCES	DIE EFFEK VAN CANNABIS SATIVA HEMP AS BLAARVOEDING OP SAAILINGE.	Stellenbosch

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Cornelius Johannes van Rooyen	Paul Roos Gimnasium	AGRICULTURAL SCIENCES	Optimale Tamatieplant Spasie	Stellenbosch
Zhunel Beeselaar	Bloemhof HS	BIOMEDICAL AND MEDICAL SCIENCES	Die skuimbaarheid en stabiliteit van verskillende tipes melk en of die vetinhoud en pasteurisasie proses 'n invloed daarop het.	Stellenbosch
Louis Terblanche	Paul Roos Gimnasium	BIOMEDICAL AND MEDICAL SCIENCES	Bied hoër sonbeskermingsfaktor (SPF) sonrome beter beskerming teen ultravioletstrale?	Stellenbosch
Nicolas Smit	Paul Roos Gimnasium	BIOMEDICAL AND MEDICAL SCIENCES	Bied hoër sonbeskermingsfaktor (SPF) sonrome beter beskerming teen ultravioletstrale?	Stellenbosch
Oracia Odayan	Protea Heights Academy	BIOMEDICAL AND MEDICAL SCIENCES	The effects of different types of detergents on bacterial growth.	Stellenbosch
Sydney Muller	Curro Durbanville Private School	EARTH SCIENCES	THE EFFECT OF TEMPERATURE AND PH ON THE RATE AT WHICH WATER FREEZES	Stellenbosch
Anika de Vries	Bloemhof HS	BIOMEDICAL AND MEDICAL SCIENCES	Die invloed van lug op die kwaliteit van wyn	Stellenbosch
Tayla Esau	Curro Durbanville Private School	EARTH SCIENCES	THE EFFECT OF TEMPERATURE AND PH ON THE RATE AT WHICH WATER FREEZES	Stellenbosch
Zandre Marx	Paul Roos Gimnasium	ENERGY	Electricity generated by soil	Stellenbosch
Joshua Cupido	Curro Durbanville Private School	ENERGY	Investigation on the properties of Biomass in relation to Biogas	Stellenbosch
Albert Diedericks	Curro Durbanville Private School	MATHEMATICS	Akkuraatheid van Suid-Afrikaanse COVID-19 Infeksie Statistieke	Stellenbosch
Emma Beckley	Curro Durbanville Private School	BIOMEDICAL AND MEDICAL SCIENCES	The Effect of the Ripeness of Bell Peppers on their Vitamin C Content	Stellenbosch
Markus Nel	Paul Roos Gimnasium	COMPUTER SCIENCES AND SOFTWARE DEVELOPMENT	Kan 'n kunsmatige neurale network onderskei tussen verskillende mense se handskrif?	Stellenbosch
Catherine Kies	Bloemhof HS	ENGINEERING	'n Hand protese beheer deur elektromiografie	Stellenbosch

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Benjamin van Onselen	Paul Roos Gimnasium	SOCIAL SCIENCES	Sosiale Wetenskappe Expo ondersoek: Covid 19 Mentalblock-down or NOT	Stellenbosch

BRONZE

Name	School	Category	Project Name	Region
Euan Muller	Curro Durbanville Private School	MATHEMATICS	Calculating the treatment cost for the COVID-19 pandemic in private and public hospitals in South Africa	Stellenbosch
Evan Julies	Touwsrivier	SOCIAL SCIENCES	Are households in the informal settlement, Zion Park, favored over needy households in the other 6 neighborhoods in Touws River, with the distribution of food parcels during the Covid-19 restriction period?	Stellenbosch
Cara Franken	Bloemhof HS	PHYSICS, ASTRONOMY AND SPACE SCIENCES	Brandresies	Stellenbosch
Chloe De Brauwere van Steeland	Bloemhof HS	PHYSICS, ASTRONOMY AND SPACE SCIENCES	Brandresies	Stellenbosch
Kobus Krieg	Paul Roos Gimnasium	EARTH SCIENCES	Swart water vs Grys water: Kyk ons 'n waardevolle waterbron mis?	Stellenbosch
Michael Shepstone	Reddam House Somerset	ENGINEERING	Robotics for all	Stellenbosch
George de Kock	Bredasdorp Hoërskool	COMPUTER SCIENCES AND SOFTWARE DEVELOPMENT	Solving quadratic and cubic equations	Stellenbosch
Shadia Akter	New Orleans Sekondêr	SOCIAL SCIENCES	Covid-19 screening Application	Stellenbosch
Katleho Baartman	Zwelethemba High School	ENGINEERING	Hear-Tech Spectacles	Stellenbosch

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Uchindami Nyirenda	Protea Heights Academy	BIOMEDICAL AND MEDICAL SCIENCES	Building a Calorimeter: Investigating the Calories of Everyday Snacks	Stellenbosch
Tamzin Valentine	Tuscany Glen High School	BIOMEDICAL AND MEDICAL SCIENCES	Vitiligo Awareness	Stellenbosch
Teon Kleynhans	Parel Vallei HS	ENERGY	Power Generation from Bubbles	Stellenbosch
Werner Badenhorst	Parel Vallei HS	ENERGY	Power Generation from Bubbles	Stellenbosch
Daniel Theron	Lochnerhof Laerskool	ENERGY	Die mees effektiewe manier om residensiele sonpanele te was/ The most efficient method to clean residential solar panel installations	Stellenbosch
Rossouw van Niekerk	Lochnerhof Laerskool	ENERGY	Die mees effektiewe manier om residensiele sonpanele te was/ The most efficient method to clean residential solar panel installations	Stellenbosch
Mauritz Acker	Protea Heights Academy	ENERGY	Solar Cooker	Stellenbosch
Anja van der Merwe	Bloemhof HS	ENERGY	Light Up - Keep your cool	Stellenbosch
Ivor Kock	Protea Heights Academy	PHYSICS, ASTRONOMY AND SPACE SCIENCES	Can a robot detect different colour stimulus received through detection	Stellenbosch
Jude Wells	Protea Heights Academy	PHYSICS, ASTRONOMY AND SPACE SCIENCES	Can a robot detect different colour stimulus received through detection	Stellenbosch
Ewan Kruger	Curro Durbanville Private School	SOCIAL SCIENCES	The Power of 7 - myth and/or fact?	Stellenbosch
Shaun Stander	Curro Durbanville Private	SOCIAL SCIENCES	The Power of 7 - myth and/or fact?	Stellenbosch
Hanre Coetzee	Lochnerhof Laerskool	BIOMEDICAL AND MEDICAL SCIENCES	Die belangrikheid van handewas in laerskole	Stellenbosch
Nadine Pretorius	Lochnerhof Laerskool	BIOMEDICAL AND MEDICAL SCIENCES	Die belangrikheid van handewas in laerskole	Stellenbosch

Name	School	Category	Project Name	Region
Johannes Lutz	Paul Roos Gimnasium	ENVIRONMENTAL STUDIES	Utilising Wax to remove microplastics from Water	Stellenbosch

HIGHLY COMMENDED

Name	School	Category	Project Name	Region
Benjamin van Dijk	Protea Heights Academy	ENGINEERING	Stock Taking Robot	Stellenbosch
Ethan de Wet	Curro Durbanville Private School	ENGINEERING	Effects of the Height of a Bottle Rocket based on its Fuel	Stellenbosch
Jamie Kersting	Paul Roos Gimnasium	ENVIRONMENTAL STUDIES	Light Pollution in the Helderberg compared to international norms	Stellenbosch
Wyatt Rossouw	Welgemoed Primary School	ENVIRONMENTAL STUDIES	Spekboom=Co2 eaters?!	Stellenbosch
Zoe Davies	Curro Durbanville Private School	ENVIRONMENTAL STUDIES	Eco-friendly hats, what a catch!?	Stellenbosch
Georgia Sobotker	Protea Heights Academy	PHYSICS, ASTRONOMY AND SPACE SCIENCES	Evaporation Situation	Stellenbosch
Izabella Hammond	Protea Heights Academy	PHYSICS, ASTRONOMY AND SPACE SCIENCES	Evaporation Situation	Stellenbosch

Name	School	Category	Project Name	Region
Indiphile Madletyane	Gansbaai Academia	ENGINEERING	Solar Energized Lumonosity	Stellenbosch
Vaughn Smith	Paul Roos Gimnasium	BIOMEDICAL AND MEDICAL SCIENCES	Snuf In Die Neus?	Stellenbosch
Marietjie Cilliers	Parel Vallei HS	BIOMEDICAL AND MEDICAL SCIENCES	Investigating the difference in the health state of domestic dogs on a plant-based diet versus those on a meat-based diet	Stellenbosch
Mila Thiar	Bloemhof HS	ENVIRONMENTAL STUDIES	DIE LAASTE STROOI: BIO-AFBREEKBARE STROOITJIES	Stellenbosch