

Gold Medal Winners

Agricultural Sciences (AGR)

Gold

International School of Cape Town PS

AGR001

Dr Fertilizer

Katherine Pike

Parklands College Senior Preparatory School

AGR003

Sonic Cover Crops

Brynn Eichbauer

Biomedical and Medical Sciences (BIO)

Gold

Herzlia High School

Ethan Lees

Zac Norrie

BIO006

Is it even worth attempting a knuckleball?

Herzlia High School

Aimee Levy

BIO007

AI to detect Exercise form

Herzlia High School

Ariella Shap

BIO010

The link between age, salivary pH and dental health

Pinelands High School

Nina TerMorshuizen

BIO022

Reusable Pressure Bandage

Chemistry and Biochemistry (CHB)

Gold

International School of Cape Town PS

Mikayla De Jesus

CHB001 *Clean Supreme*

Star College Cape Town Primary

Nour Osama Alkholy

CHB005 *Which fluid is the most viscous*

International School of Cape Town HS

Jessica Wellington

CHB010 *Can human hair be used as a filter to absorb different oil spills in our rivers?*

Herzlia High School

Shayla Goott

Leah Roytowski

CHB011 *Watt's in your drink?*

Hout Bay International School

Saniyyah Shaboodien

CHB012 *Identifying the Optimum Conditions for Lactase Activity in Dairy Products*

Star College Cape Town HS

Jinaan Gameeldien

CHB020 *Self-sustaining hybrid bricks*

Star College Cape Town HS

Layla Moolla

CHB021 *Mycelium based paint*

CENTRE OF SCIENCE AND TECHNOLOGY

Olwethu Bonxo

CHB027 *Antiseptic effectiveness uncovered: A comparative analysis on bacterial suppression*

Computer Sciences and Software Development (COM)

Gold

CURRO CENTURY CITY Alea du Toit

COM005 *Cyber security gaming and the youth*

Parklands College Secondary Gerhard Vosloo

COM007 *Gravitational Wave Detection using deep learning*

Energy (ENP)

Gold

International School of Cape Town PS

ENP002

Mia Thomas

The Energy Race

Parklands College Secondary

ENP017

Zacchary Rawat

Piezoelectric Rain Energy Harvesting

Engineering (ENG)

Gold

Herzlia High School

Sebastian Rogow

Benjamin Werb

ENG010

Light the World with Waves

Pinelands High School

Cole Awood

Zeeshan Sykes

ENG032

WildLens - tackling wildlife poaching

Pinelands High School

Nicola Jordaan

ENG033

Harnessing Piezoelectricity to Power a Model of a Dance Floor

Star College Cape Town HS

Fatima Datay

Raaqah Ambarker

ENG036

Painted by nature: Testing plant extracts in heat defence

Gold

Hout Bay International School	Oliver Vintin	Ludwig Richards
EVS009	<i>Algae Under Different Light Wavelengths, As a Carbon Capture System</i>	

Gold

Islamia College

Mikaeel Ismail

MAT003

The mathematics behind the standardization of cylindrical cans

Physics, Astronomy & Space Sciences (PHY)

Gold

Elkanah House High School

Connor Kinnes

PHY006

Project Pathfinder

International School of Cape Town HS

Andreas Nagelgaard

PHY011

Atmospheric effects on exoplanet detection and measurement

Parklands College Secondary

Dristhi Ramkelawan

Naeha Naidu

PHY012

How space and gravity affects growing potential of seeds

Pinelands High School

Jemma Davids

Farah Pandit

PHY013

The Expansion of the Universe

Plant Sciences (PLA)

Gold

Parklands College Senior Preparatory School	Tshegofatso Le Roux	Alyssa Veerasamy
PLA002	<i>Water Plants as Natural Filters to Prevent Algae Blooms</i>	

German International School Cape Town	Ella Hettasch
PLA016	<i>Exploring methods of Auxin application</i>

Gold

Pinelands High School

Zoë de Roo

SOC044

Can People Estimate Their Consumption of Ultra-processed Food?