

بالعلوم
بنفكر

THINK SCIENCE



Program of:

برنامج من :

تنشيط

EMIRATES
FOUNDATION
FOR YOUTH DEVELOPMENT

مؤسسة
الإمارات
لتنمية الشباب

نبذة عن مؤسسة الإمارات لتنمية الشباب:

أطلقت مؤسسة الإمارات في 12 أبريل 2005 بمبادرة من الفريق أول سمو الشيخ محمد بن زايد آل نهيان، ولي عهد أبوظبي، نائب القائد الأعلى للقوات المسلحة. في عام 2012، أعيد إطلاق المؤسسة تحت مسمى "مؤسسة الإمارات لتنمية الشباب" كمبادرة وطنية متكاملة للاستثمار في طاقات الشباب في الإمارات تعتمد في استراتيجية عملها على مفهوم الاستثمار الاجتماعي القائم على تحقيق تأثير إيجابي ودائم في حياة الشباب من خلال تبني برامج وطنية مستدامة وذات تأثير واسع. وتعمل المؤسسة على تطبيق ذلك من خلال ثلاثة محاور عمل أساسية هي القيادة والتمكين، وذلك من خلال مساعدة الشباب على تنمية مهاراتهم وقدراتهم، بما يؤهلهم للدخول في سوق العمل، والدمج الاجتماعي، وذلك من خلال التعرف على التحديات التي تواجه الشباب، بالإضافة إلى تعزيز الشراكة المجتمعية، التي تقوم على تشجيع الشباب على التطوع كأسلوب حياة، وتحفيزهم على المشاركة المدنية، من خلال عدد من البرامج التي تساعدهم على فهم قيمة المشاركة المجتمعية. ولتحقيق هذه الأهداف، تعمل المؤسسة على تحديد وفهم التحديات التي تواجه الشباب في دولة الإمارات، جنباً إلى جنب مع إيجاد الفرص الملائمة لتنمية الشباب أنفسهم. حيث تعمل مؤسسة الإمارات على تطوير وإيجاد مشاريع مستدامة تقدم الحلول للقضايا الاجتماعية الملحة بما ينمي من مهاراتهم وقدراتهم وثقتهم بأنفسهم، وقدرتهم على تولي أدوار ومسؤوليات قيادية. وتعمل مؤسسة الإمارات على تعزيز الشراكة بين مؤسسات القطاعين الحكومي والخاص، وبآتي تمويل المؤسسة من خلال المساهمات المقدمة إليها من حكومة أبوظبي، وشركات القطاع الخاص.



About the Emirates Foundation for Youth Development

Emirates Foundation (EF) was launched in April 2005 as an initiative from His Highness General Sheikh Mohammed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the Armed Forces.

In 2012, Emirates Foundation was re-launched under the name “Emirates Foundation for Youth Development” as an integrated national initiative that seeks to invest in UAE youth. EF’s strategy uses the model of venture philanthropy to develop nationwide programs that aim to impact the lives of UAE youth positively and permanently in a manner that is measurable and sustainable.

The Foundation works in three key areas: social inclusion – looking at some of the challenges facing young people; community engagement – encouraging youth to participate in a voluntary capacity in the civil society; and leadership and empowerment – helping to build young people’s ‘soft skills and prepare them for the work place.

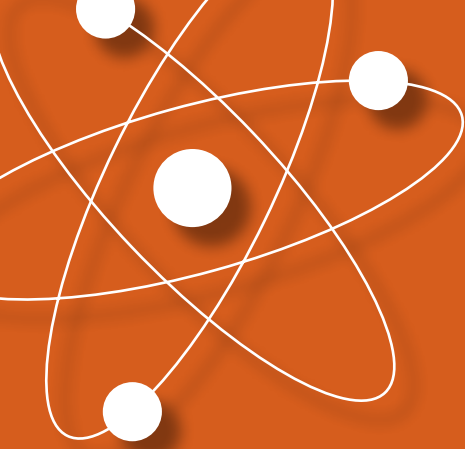
EF seeks to identify, educate and inform the public about some of the challenges facing UAE youth while identifying opportunities for growth and development for young people themselves. We develop sustainable, enterprise-based solutions to social issues that help motivate and guide young Emiratis through programs that help them understand the value of giving back to society while developing their capabilities, confidence and leadership skills. Emirates Foundation works in partnership with both the private and public sectors and aims to create a strong culture of giving among the business sector. It is funded through financial contributions from both the government and the private sector.



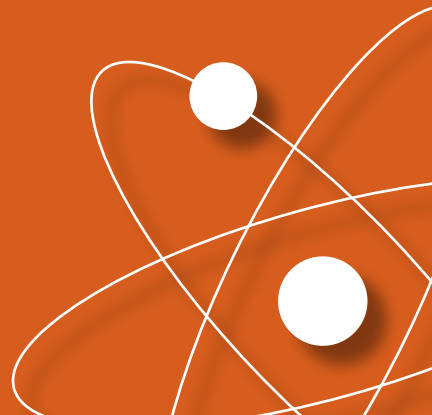
The “Think Science” Program was launched in October 2012. Its aim is to contribute to the Emirates Foundation for Youth Development vision to empower youth by sparking Emirati their interests in science and technology (S&T). The program encourages UAE youth to both study in the S & T field, as well as, follow a career path in this area. Additionally, Think Science motivates local young people, between ages of 15 to 24 years old, to consider the S & T sector as an exciting and viable career choice that can further their personal development and expose them to rewarding professional opportunities; while simultaneously supporting the UAE’s ambitious industrial developmental goals.

Think Science Programs’ three main projects:

- Think Science Competition: a nationwide science competition that engages UAE youth through developing, designing and building science-based innovations that responds to their community’s most pressing needs.
- Think Science Connect: a platform that links youth interested in science with industry participants, namely young “Science Ambassadors” and “Leaders in Science,” to facilitate an interactive exchange and sharpen skillsets; resulting in ‘Emirati service talents.’
- Think Science Ambassadors: a group referred to as the “change-makers” who inspire, encourage, and nurture the scientific development of UAE youth; while guiding them to cultivate innovative means to bridge the gap between the practical aspect of community needs and the theoretical intellectualism of the academic world.



Applied Physics





School Name: Al Dhmaa

Members: Hamad Humaid Abdulla Ahmed Al Afreet Al Kuiti
Ibrahim Ahmed Qasem Muhsen Al Jaboushi

Supervisor: Issa Hekmat Abdul Razzaq Ghazal

Project Name: Generate Kinetic Energy from Pieces of Mirrors



School Name: Hunain School

Members: Asma Saeed Esmaeel J.Al-Ali

Alya Waleed Abdualrhman Rabeea Al Ammari

Salsabel El Sayed El Sayed Ebrahim

Supervisor: Nema A.I. Hashikaha

Project Name: From Repulsion to Kinetic Energy



School Name: Taween Basic & Secondary School

Members: Aisha Ali Salih Ali Hamdi Al Yamahi

Hajer Abdulla Mohamed Abdulla Al Yamahi

Abeer Mohmed Salem Ali Salim

Supervisor: Maryam Ali Mohamed Khameis Alyamahi

Project Name: Magnetic Field Effect on Plants' Growth



School Name: Al Foah School

Members: Arwa Abdullah Awad Al Shamsi
Shama Thani Jumma Al Naimi
Samira Salim Maswod Al Dahiri

Supervisor: Klaithem Rashed Saeed Mohammed Al Shebli

Project Name: Cinema 4D



School Name: Dubai National School

Members: Ali Hasan A Rasool Al Halwachi

Abdul Basit Salahuddin

Saif Ali Al Awr

Supervisor: Hazim Mahmoud Safauq Magairah

Project Name: Hover Board



School Name: Applied Technology High School-Boys

Members: Hamdan Abdulla Ebrahim Raboooy Al Remethi

Saeed Abdulla Abdulmuhsen Al Mannaee

Faisal Hasan Abdulla Hassoon Al Shehhi

Supervisor: Saad Mohd Saad Abu Morri

Project Name: Magnetic Mill

2nd
Place
Winner



School Name: German International School Dubai

Members: Jounes Gross

Jordan McKenzie

Dalia Abdelrahman

Supervisor: Dr. Milan Marcel Dlabal

Project Name: Safire Bearing – a magnetically levitated frictionless sapphire bearing



School Name: Hunain School - Abu Dhabi

Members: Maha Yousif Zainal Al Khouri

Mouza Omair Mohammed Al Mheri

Salma Rashid Salem Al Mazrouei

Supervisor: Laiali Rasheed Hussein Milhem

Project Name: Sustainable Parks



School Name: Khalifa Bin Zayed

Members: Dheyab Ahmed Al Sudain

Fadi Hicham Abou Harmouch

Sultan Salem Saif Salem Shaher

Supervisor: Mouhamad Neizar

Project Name: Interactive Electronic Bag (i-bag)



School Name: Al Mali International Private School

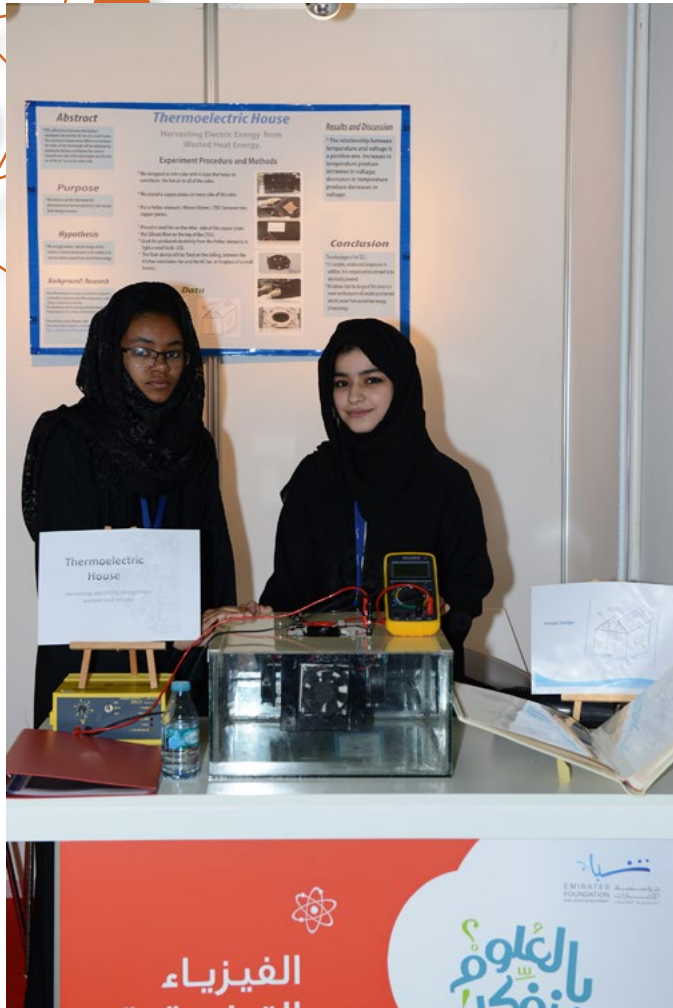
Members: Suhail Fares Naser Saleh Al Jassari

Mohamed Seghir

Saif Mohammed Salah Aly Eisa

Supervisor: Amani Elhousseini Mohamed Hegazi

Project Name: Light Meter



School Name: AL Qadisyah Secondary School

Members: Mariem Mohammed El Moctar

Mariam Ahmed Bakheet Al Junaibi

Supervisor: Niven Hassan Aly Mohamed Abou Shousha

Project Name: Thermoelectric House: Harvesting Electric Energy from Wasted Heat Energy



School Name: Al Shohub School

Members: Mahra Mohamed Al Qubaisi

Amna Hamad Al Suwaidi

Supervisor: Johanna Botha

Project Name: Water Recycling with Magnets– a New Approach.



School Name: Applied Technology High School-Girls

Members: Mouza Abdulla Mohammed Ali Al Shamsi

Safeya Abdul Aziz Abdulla A. Al Nagebi

Wajdan Salem Saeed Ali Al Alawi

Supervisor: Amal Sameh Mohammed Rasmi Kashcoul

Project Name: Wheel Heat Engine



School Name: GEMS Modern Academy

Members: Anjaneya Sudarshan Malpani

Dhruv Bakshi

Abhyuday Sooriyeh

Supervisor: Paliyath Vinaya Venugopal

Project Name: Piezoelectricity



School Name: Applied Technology High School-Boys

Members: Omar Mohamed Omar Mohamed H. Al Hamed
Ahmad Mohamed Omar Al Hamed

Supervisor: Ahmad Said Haidari

Project Name: Paper Circuit



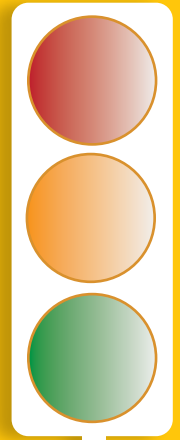
School Name: Dubai National School

Members: Alia Aref Ali Al Abbar

Batool Ahmad Al Yasi

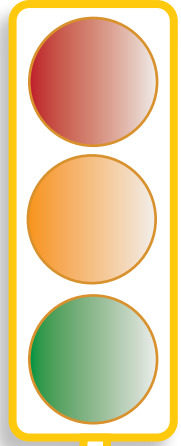
Supervisor: Nafissa El Jabban

Project Name: The Smart Gym



Transportation Systems





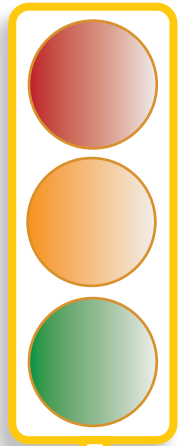
School: Taween Basic & Secondary School

Members: Maryam Ahmed Khameis Mohamed Al Yammahi
Khadeija Ahmed Khameis Mohamed

Supervisor: Maryam Ali Mohamed Khameis Alyamahi

Project Name: Bio Car





School: Almoghara Bin Shoaba

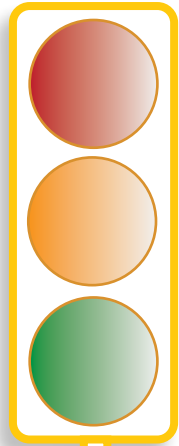
Members: Ali Ahmed Hikal

Ahmad Abdulla Mohamed Abdulla Al Hammadi

Supervisor: Abdallah Saleh Nahar Hejazi

Project Name: Automatic Controller Cars' Lights





School: Masafi School for Basic and Secondary Education

Members: Abrar Abdelfattah Ahmed Ibrahim

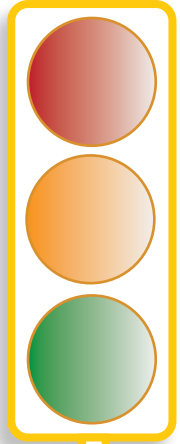
Fatimah Saeed Hashel Ghareib Alsereidi

Maryam Ali Saif Alyouh Al Yammahi

Supervisor: Aishah Saeed Ali Yammahi

Project Name: The Tunnel Bus





School: Asma Bint Al Nouman Model School For Secondary Education

Members: Fatima Ali Murad Al Blooshi

Supervisor: Sahar Mohamed Mahmoud Naser

Project Name: The Intelligent Zebra Line





School: Al Mali International Private School

Members: Hazim Khalid Anwar

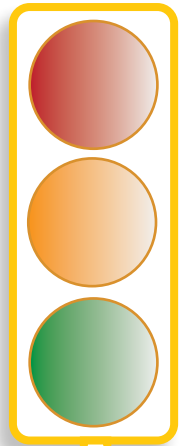
Hadeef Obaid Bin Gadeem Al Suwaidi

Ahmed Salem Jumaa Rashed Al Kaabi

Supervisor: Amani Elhusseini Mohamed Hegazi

Project Name: Cross Side Parking Cars





School: Al Foah School

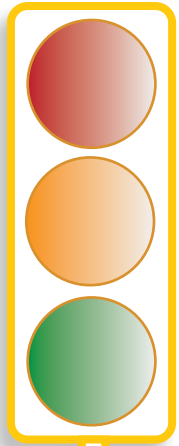
Members: Fatma Khalfan Rashid Al Qamzi

Hawa Nasser Salim Harrasi

Supervisor: Klaithem Rashed Saeed Mohammed Al Shebli

Project Name: Device to Alert the Driver Not to Talk on Mobile





School: Alghail Secondary School-Boys

Members: Saud Abdulla Ali Saeed Al Mazrouel

Supervisor: Hamed Mohammad Hamed Sabaheen

Project Name: Car Without Petrol



1st
Place
Winner



School: Al Mawaheb Secondary School

Members: Waad Khaled Khaleel Mater Ismaeil Abu Jarad

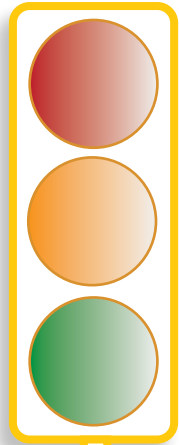
Dana Khamis Abdulla Jamaan Al Tamimi

Fatema Obaid Mohamed Subait Al Shemeili

Supervisor: Rasha Hasan Yousif Azim

Project Name: Car Absorbs Collision





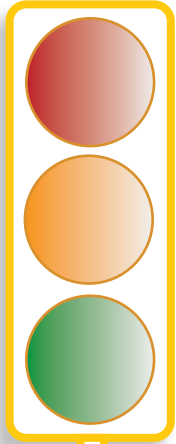
School: Applied Technology High School-Girls

Members: Aisha Yousif Mohamed Eissa Al Hammadi
Farha Salem Khamis A. Al Braiki

Supervisor: Shigupta Islam

Project Name: Hydro-Solar Car





School: Al Shohub School

Members: Ruba Wael Al Attas

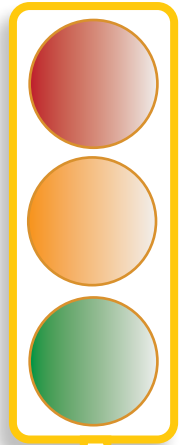
Rawdha Suhail Al Mazrouei

Supervisor: Maha Al Dabbagh

Project Name: Jigsaw Roads



2nd
Place
Winner



School: Applied Technology High School-Boys

Members: Eisa Abdalla Eisa Mohammed

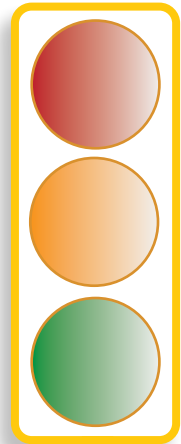
Mohammed Abdalla Ahmed

Abdalla Mousa Mohammed Hassan

Supervisor: Antonio Buca

Project Name: Speaking Car Diagnosis System





School: Omamah Bint Al Harith

Members: Noor Saeed Salem Al Maskari

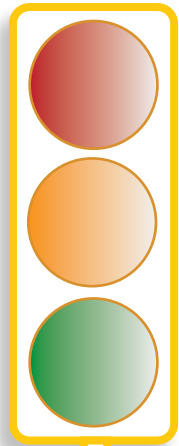
Shaikha Rashed Saeed Al Shebli

Shaikha Ali Mohamed Al Naqbi

Supervisor: Asma Mohamed Ahmed Altnaiji

Project Name: Aero Train





School: GEMS Modern Academy

Members: Vir Vijaybhai Doshi

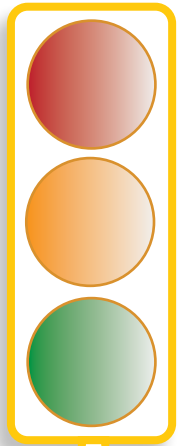
Sahil Dilip Kumar

Abhishek Kumar Marwaha

Supervisor: Paliyath Vinaya Venugopal

Project Name: THE X - SAV





School: Ajman Private School

Members: Hassan Obaid Yousef

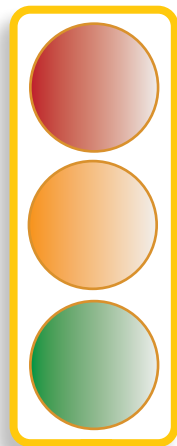
Yamen Saeed Abo Alneaj

Faysal Maher Faysal Abo Arab

Supervisor: Hussien Othman Aly Eitalyawy

Project Name: The Circuit of A traffic Light





School: Um Ammar Secondary School

Members: Sabaa Mustafa Neamah

Maryam Hasan Jasem

Alya Ahmed Mohammed

Supervisor: Fatema Yousef W O Mohamed A M AlKaabi

Project Name: Safety Creative Car (SCC)



Enviromental Sciences and Management





School: Al Foah School

Members: Shamma Jaber Al Marri

Safa Abd Alsafa

Shamma Saif Al-Kaabi

Supervisor: Klaithem Rashed Saeed Mohammed Al Shebli

Project Name: The Healthy Shoes





School: Al Shohub School

Members: Dhabia Khaled Al Mansoori

Fakra Mohamed Najem Al Qubaisi

Maryam Waleed Al Seiari

Supervisor: Maha Al Dabbagh

Project Name: Sewage Plants for Third World Countries





School: GEMS Modern Academy

Members: Gulam Samdani Qureshi

Kevin Shaju Varghese

Quincy Norman Vaz

Supervisor: Paliyath Vinaya Venugopal

Project Name: The Natural Electricity





School: Dubai National School

Members: Mostafa Morteza Azarbar

Abdulla Salah Mohd Jawad Yousuf Khoory

Supervisor: Hazim Mahmoud Safauq Magairah

Project Name: Water Sustainability by Renewable Energy





School: Al Sanawbar School

Members: Saeed Mubarak Saeed Ali Hamad Al Shamsi

Ghayth Qasim Mohammad Al Shannag

Rashed Ghanem Mubarak Al Hajeri

Supervisor: Amine Hamdan

Project Name: Water Desalination





School: Amrah Bint Abdul Rahman

Members: Azza Mohamed Bin Aof

Nouf Munassar Hasan Malhi Al Sayari

Supervisor: Maha Mahmoud Ali Mahmoud

Project Name: Reduce the Daily Potable Water Consumption



2nd
Place
Winner



School: Umomara Secondary School

Members: Shaikha Ahmed Ali Ali Alnaqbi

Sumaya Ahmed Abdelkarim Karam Al Blooshi

Supervisor: Shafqa Abdelqader Mohamed Almashtigal

Project Name: Eco-Friendly Walls





School: Al Foah School

Members: Hidayat Misbah-Kaabi

Shamma Jabri

Supervisor: Klaithem Rashed Saeed Mohammed Al Shebli

Project Name: A House for Plants' Protection





School: Al Kamal American School

Members: Sadik Ahmed Abdulhaque

Fahad Abdulhamid Mohammed J. Al Balooshi

Mohammed Jamal Khalifa Bin Harib Al Maheiri

Supervisor: Anjum Shaheen

Project Name: Purification of Water





School: Dubai National School

Members: Bilal Ayad Shaker

Supervisor: Hazim Mahmoud Safauq Magairah

Project Name: Automatic Irrigation System





School: Al Mali International Private School

Members: Moayad Shfik

Matar Zayed Matar Khamis Al Mazrouei

Fahad Mana Saeed Ahmed

Supervisor: Amani Elhusseini Mohamed Hegazi

Project Name: Groasis Water Box





School: Al Nasha'a Al Saleh Private School

Members: Faisal Mohammed Saeed Khalifa Al Dhaheri

Nasser Muajab Nasser Jamal Hadi

Hassan Ali Hassan Salama

Supervisor: Manal Mahmoud Ali Hamad

Project Name: Save Water Save Money Save Environment





School: Applied Technology High School-Boys

Members: Faris Hussain Abdulla Mohammad Al Janaahi

Abdulla Nasser Ahmad Mohd Abdulla

Abdulrahman Ali Murad Hassan Salmin

Supervisor: Sarmadiyah Shafi

Project Name: Noise Friendly Building





School: Al Abbas Bin Abdelmutaleb

Members: Omar Aly Aly Abdelaziz Hamad

Abdulla Al Serahi

Supervisor: Ali Ali Abdelaziz Hamad

Project Name: SMW Save My Water



1st
Place
Winner



School: Al Abbas Bin Abdelmutaleb

Members: Rashid Hilal Rashid Ali Al Mehairi

Yousef Taha Haj Sakor

Supervisor: Omar Ahmad Hasan Odeibat

Project Name: Sewage Water..Not Anymore! "Sewage Water Recycling"





School: Al Kamal American School

Members: Khaled Ahmed Saad Ahmed Gaber

Saeed Ibrahim Ahmed Bin Masoud Al-Ali

Yousif Khalid Yousif Ahmed Mohamed Al Khayyat Al
Hammadi

Supervisor: Khalid Khan

Project Name: Greenhouse Effect on a Habitat





School: Dubai National School

Members: Mira Hmaid Mohammad Redha Al Ansari

Aisha Al Ali

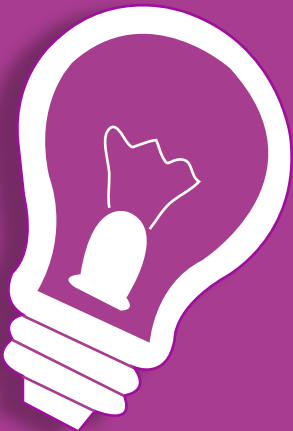
Supervisor: Nafissa El Jabban

Project Name: Artificial Well





Electrical and Electronics Engineering Systems



1st
Place
Winner



University of Sharjah

Members: Mohamed Abdulla Ibrahim Foolad

Ahmed Falah Hasan

Layth Ali Al-Ani

Project Name: Smart Garbage Bin



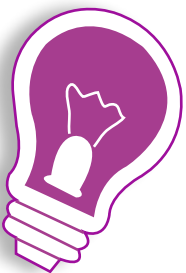
The Petroleum Institute

Members: Ameen Abdulla Awadh

Abdulazeiz Mohamed Rashed Mosabbah

Alzahmi

Project Name: Air-Water Droplets Separation





Fujairah Science Club

Members: Amira Abdelrahman Mohamed Balhaj Al Marashda
Hend Jumah Khalfan Ali Al Kindi

Project Name: Child Safety System in Car



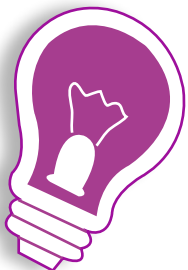


Khalifa University

Members: Rashid Sulaiman Obaid Almemari

Mohamed Ibrahim Salman Mohamed AL Hajri

Project Name: Smart Pollution Detector





United Arab Emirates University

Members: Amena Abdullah Al kthiri

Wafa Mubarak Ali Mubarak Al Eryani

Reem Mohammed Ali Bu Zaid ALawlaqi

Project Name: Development of Reusable Hollow Fiber Bioreactor.



Higher Colleges of Technology \ Sharjah Women's Colleges

Members: Shaikha Obaid Hassan Farhan Hassan

Bashaer Khalfan Eissa K Aljouk Alshamsi

Project Name: Energy Harvesting System





Fujairah Science Club

Members: Nourah Ahmed Salem Saif Al Jaberi

Shamma Naser Ali Mohamed Al Mesmari

Project Name: Intelligent Optical Signals





Khalifa university

Members: Shaikha Osama Aldoukhi

Shaimaa Saeed Mohamed Abdulla

Project Name: Smart Blind Stick





Fujairah Science Club

Members: Jawahir Abdalla Rashid Saif Al Naqbi
Lolwah Khaleifah Obaid Saif Al Hamoudi

Project Name: Umbrella Car





Fujairah Science Club

Members: Samira Abdalla Ibrahim Abdalla Alameeri

Torfah Ebraheim Khameis Mahuous

Project Name: Pipeline Leak Monitoring System



2nd
Place
Winner



The Petroleum Institute

Members: Ayesha Tariq Ahmed Mohamed Ahmed

Project Name: Production of Stable Polymeric Sulfur and its Applications



Fujairah Science Club

Members: Abdlazeiz Morad Abdlla H.Al Blooshi

Ahmad Youssef Khodor Balkis

Project Name: Smart Home





Fujairah Science Club

Members: Fatmah Mohamed Ahmed Zahrou Al Shehhi

Sohayla Abdul Jawad Ebrahim

Project Name: Groundwater Monitoring





United Arab Emirates University

Members: Maryam Mohammed AL Zaabi

Tasneem Ali Khalfan Alrawi Alnaqbi

Project Name: Utilizing PCM Properties in Designing Building Materials for Thermal Management





3rd
Place
Winner



American University of Sharjah

Members: Humaid Yousif Mohamed Al Ali

Nada Ali Mubarak Obaid

Project Name: iBump - Accident Auto-Detect System





Sharjah Youth Center

Members: Rashid Ali Saleh Yousif Al Maeeni

Project Name: Warner for Accidents During Fog

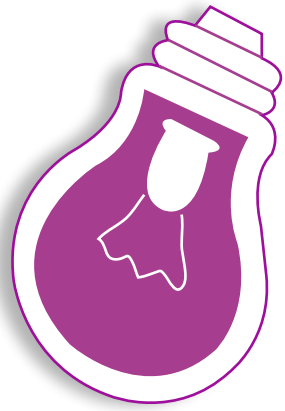




Fujairah Science Club

Members: Sarah Saeed Rashed S. A. Al Yammahi
Shamma Humaid Abdulla M. Al Teneiji

Project Name: An Effective System to Monitor and Protect Remote Facilities



Baja Car Structure

Khalifa University

Members: Rawdha Mohamed Almarar

Younis Ahmed Lari

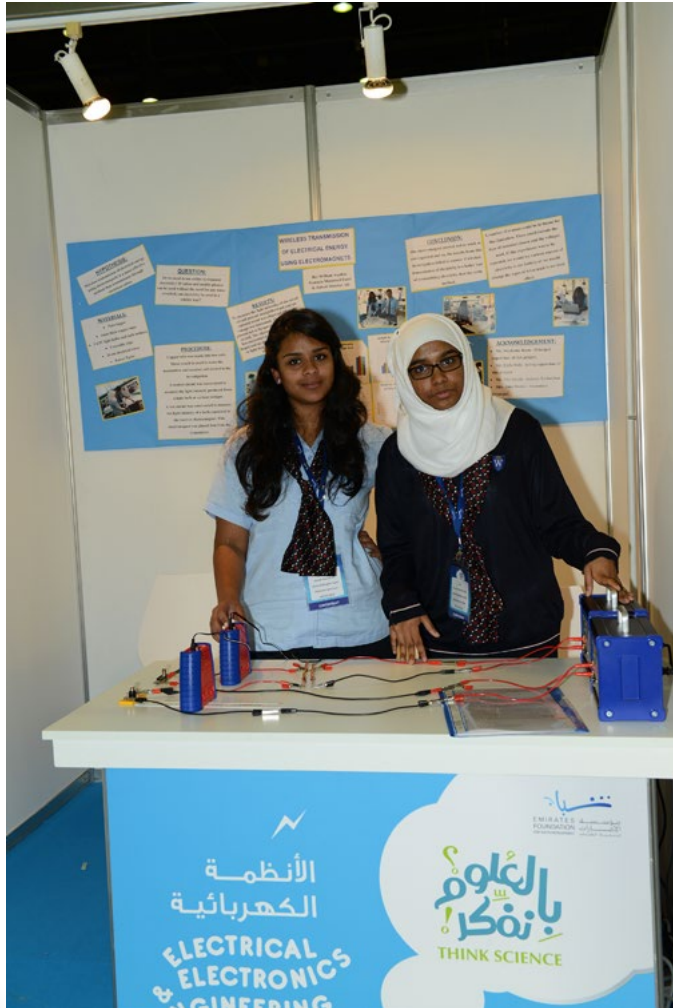
Aamer Ahmed Hassan Mohamed Zeyoudi





Electrical and Electronics Engineering Systems





School: GEMS Wellington Academy DSO

Members: William Aspen

Rumana Mohamed Fazal

Zainab Shaukat Ali

Supervisor: Enda Daly

Project Name: Wireless Transmission of Electrical Energy Using Electromagnets



School: Applied Technology High School-Boys

Members: Ahmed Mohammed Ahmed Hassoon Al Shehhi

Supervisor: Baha Eddin I F Sh Saleh

Project Name: Catch the Bird Game



School: Applied Technology High School-Girls

Members: Latifa Awad Khalifa Hasoum Al Darmaki

Asma Adam

Supervisor: Sana Safyan

Project Name: Charging Device through Wireless Energy Transfer



School: Applied Technology High School-Boys

Members: Khalid Jamal Hassan Ali Al Hosani

Saif Mohamed Ahmed Mohamed AL Marzooqi

Khaled Ahmed Eid Saeed Saif Al Azizi

Supervisor: Ahmad Said Haidari

Project Name: Cruise Yacht



School: Applied Technology High School-Boys

Members: Hamdan Mohammed Saeed Al Shehhi
Mohammed Ahmed Mohammed Al Hebsi
Omar Ahmed Saeed Al Hebsi

Supervisor: Waseem Alhausani

Project Name: Electrocardiogram



School: Applied Technology High School-Boys

Members: Ahmed Mohammed Ahmed Al Shehhi

Sultan Abdulla Sultan Al Shehhi

Supervisor: Waseem Alhausani

Project Name: Smart Board Eraser



School: Dubai National School

Members: Anass Ghassan

Abdulfatah Mustafa Abdulfatah

Supervisor: Hazim Mahmoud Safauq Magairah

Project Name: Generating Electricity by Renewable Resources



School: Al Estiqlal School

Members: Aboubakr Ghareb Eweis Mohamed

Saeed Rashed Ali Ahmed

Supervisor: Gharib Eweis Mohamed Gharib

Project Name: Electronic Key Works with any Remote



School: Umomara Secondary School

Members: Fatima Mohamed Hassan Ramadan

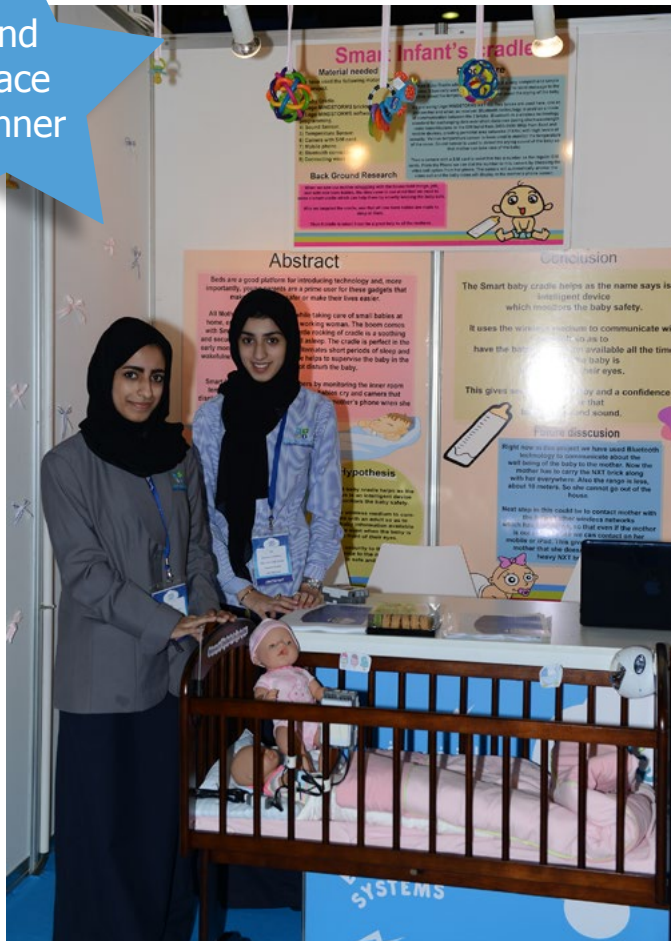
Fatima Hassan Said

Meera Abdulla Qsoom

Supervisor: Shafqa Abdelqader Mohamed Almashtigal

Project Name: Electronic Finder

2nd
Place
Winner



School: Applied Technology High School-Girls

Members: Shaikha Omair Mohamed Al Sabousi

Shamma Essa Khamis Essa O. Al Mehairi

Al Dana Rashed Mubarak M. Al Mansoori

Supervisor: Deepika Chadha

Project Name: Smart Infant's Cradle

1st
Place
Winner



School: Applied Technology High School-Girls

Members: Yamna Ali Yaser Saif Mohammed Sultan Al Aryani

Maitha Salem Ali Sultan Al Aryani

Anwar Ali Saeed Ali Saeed Al Alawi

Supervisor: Rasha Khaleel Masbah Noufal

Project Name: Solar Tracking System



School: Al Foah School

Members: Aisha Salim Saif Al Kaabi

Mzin Said Hassan Younes

Supervisor: Klaithem Rashed Saeed Mohammed Al Shebli

Project Name: The Speaking Clock



School: The Glenelg School of Abu Dhabi

Members: Mohamed Othman Mohamed Shareef Foulathi
Al Khoori

Supervisor: Mohamad El Sayed Mohamad Desouky

Project Name: Car Coolant Level Sensor



School: Al Mali International Private School

Members: Mohamed Ibrahim Yahya Suliman Al Thehli

Ahmed Mohamed Hassan Al Seisi

Hilal Mohamed Hilal Abdulla Al Falahi

Supervisor: Amani Elhusseini Mohamed Hegazi

Project Name: Automatic Night Light & Opening Umbrellas



School: The Model School Abu Dhabi

Members: Fazal Irshad Hamza

Kakkat Ali Ibrahim

Muhammed Mustafa

Supervisor: Mohamed Rafeek Mattuthodi

Project Name: Automatic Electric Train Barrier



School: Abu Tammam School For Basic & Secondary Education

Members: Shehab Hassan Ahmed

Ali Hamed Mosabbah

Supervisor: Elsadig Mohamed Bakht

Project Name: Automatic Irrigation-Agriculture

Applied Science





Fujairah Science Club

Members: Zulfa Abdulla Rasheed Hassan

Shouq Mohamed Rashed M. j. Al Zahmi

Project Name: Agriculture House

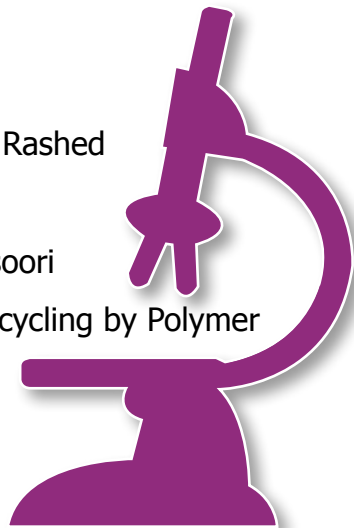




The Petroleum Institute

Members: Mariam Hamad Rashed Mohamed Al Rashed
Andaleeb Ali Jasem Abdulla Jassim
Shaima Mohamed Saeed Ali AL Mansoori

Project Name: A Novel Technology in Plastic Recycling by Polymer
Dissolution





University of Sharjah

Members: Madeeha Abdul Kuddus Durrani

Asma Mohammad Saleh

Khalid Mohammed

Project Name: Utilizing CO₂ in Wastewater Treatment





University of Sharjah

Members: Maythaa Ali Humaid Boharoon Al-Ali

Reem Matar Khalifa AlMazaina Almheiri

Fatima Eisa Ahmed AlJallaf Al-Ali

Project Name: Using Microorganisms To Desalinate Water

With Zero Input Electricity



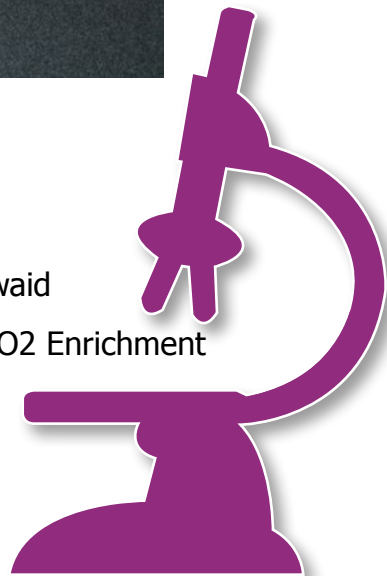


United Arab Emirates University

Members: Obaid Ali Humaid Juma Alshamsi

Abdul Rahman Mohammed Ba Suwaid

Project Name: Global Warming "In-a-Box": CO₂ Enrichment
& Our Desert





Fujairah Science Club

Members: Maryam khaseif Hassan Khaseif Alkindi

Marwa Rashid Ali Mohamed S. A.Al Naqbi

Project Name: Quenched Animals in Reserves



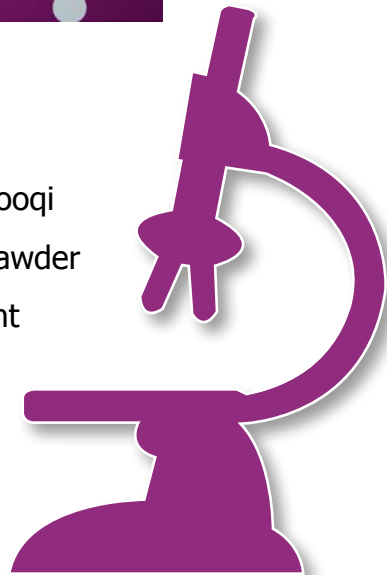


Zayed University

Members: Fatima Hasan Abdul Jalil I Al marzooqi

Fatema Talal Khaled Ali Ahmed Aljawder

Project Name: Digital Body Image Assessment



3rd
Place
Winner



United Arab Emirates University

Members: Hessa Shahin Darwish Alshahin AlHarmi

Maha Mohamed MaAlalla Mohamed Al Shehhi

Shaikhah Mohamed Ali Saeed Ali

Project Name: Design of a Simple System for Reuse of Grey Water for Irrigation of Public Gardens and Flushing Toilets



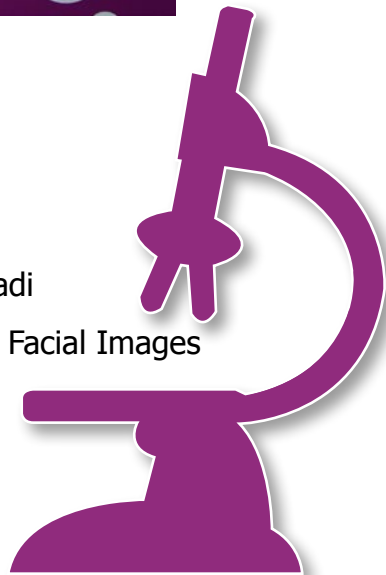


Khalifa University

Members: Nasser Saif Obaid Saif AL Raihe

Ali Ahmed Khalil Abdulla ALHammadi

Project Name: People Identification Using 3D Facial Images





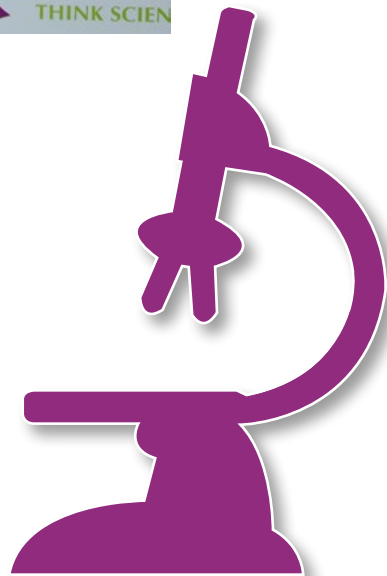
Khalifa University

Members: Saif Abdulrahman Albannay

Intissar Amri

Maryam Ahmad Alraeesi

Project Name: Oxilife





Khalifa University

Members: Shaikha Sulaiman Rashid Ahmed Alyassi

Meriam Larbi

Fakhra Sultan Lahdi Musabbbeh Alketbi

Project Name: IV Fluid Level Controller



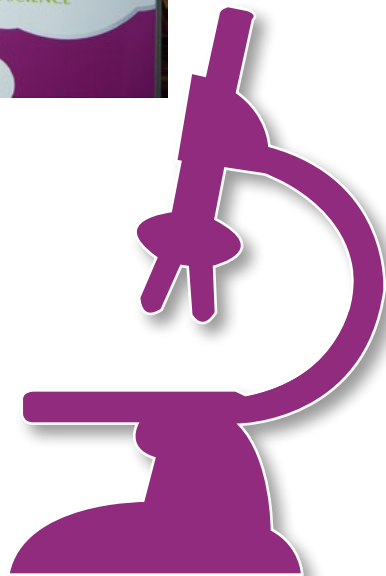


Fujairah Science Club

Members: Amnah Esmaahi

Mariam Al Hammadi

Project Name: Anti-Fog





Intelligent & Safety Systems



School: Islamia English School, Abu Dhabi

Members: Mirza Mohammad Tayyeb Baig

Humaid Mehdi

Sohaib Mazhar

Supervisor: Muhammad Usman Farooq

Project Name: Underwater Camera with Water Level Alert Gadget



School: Applied Technology High School-Girls

Members: Noora Abdulla Ibrahim Al Hosani

Jwahir Mohamed Saleh M. Al Breiki

Anood Khalfan Ali Al Mehrezi

Supervisor: Dipti Razdan

Project Name: CD/DVD Vending Machine

1st
Place
Winner



School: Applied Technology High School-Boys

Members: Obeid Yousef Khalfan Hamad Tahnoon Al Ali

Saoud Khalaf Salem Bin Anbar Hassooni

Supervisor: Mohammad Emad Yousef Hassan

Project Name: Ablution System



School: Amrah Bint Abdul Rahman

Members: Fatima Amer Omer Al Jaberi

Bassant Ihab Ibrahim Ahmed Selmy

Supervisor: Eman Darwish Mustafa Hossain

Project Name: Electronic Alarm for Office Safety



School: Alhikma Private School

Members: Abdalla Arif Mohamed

Fares Amin

M Amin Saleh Al Khlif

Supervisor: Iman Ahmed Kenawi

Project Name: Fire Alarm System



School: Dubai National School

Members: Maitha Nasser Mir Abdulla Ahmad Khoori

Supervisor: Nafissa El Jabban

Project Name: Hearing Aid



School: The Glenelg School of Abu Dhabi

Members: Fatema Khaled Saif Alla Mohamed

Sahear Jamal Abu Anbar

Reem Abdulaziz Bakhit Abdulla Al Nahdi

Supervisor: Mohamad El Sayed Mohamad Desouky

Project Name: Home Security System



School: Asma Bint Omais High School

Members: Salwa Haitham Shaglel

Afra Saleh Yousef

Supervisor: Hend Saleh Yousef Al Dhahri

Project Name: Remote Control House Door Lock

2nd
Place
Winner



School: Applied Technology High School-Boys

Members: Saif Bakhit Mohammed Rashed

Abdulla Mohammed Ali Mohammed Hadid Al Kaabi

Obaid Butti Al Dhaheri

Supervisor: Umair Atique Syed

Project Name: Intelligent Infant's Cradle



School: Al Hemham School

Members: Anoud Taresh Abdulla Mohamed AlHmoudi

Hessa Mohammed Ali Abdulla Al Blooshi

Supervisor: Mouza Ali Saeed Ali Alkhatri

Project Name: Smart Alarm Pillow for the Deaf



School: Al Ittihad National Private School Abu Dhabi

Members: Alyazia Al Suwaidi

Suhaila Al Dhaheri

Ghada Al Muharrami

Supervisor: May El Bitar

Project Name: Smart Stick



School: Al Ittihad National Private School Abu Dhabi

Members: Azzam Mohamed Al Ali

Supervisor: May El Bitar

Project Name: Techno Town



School: Dubai National School

Members: Zahraa Hassan Nasralla

Meera Shawqi Hamdan Habib Sajwani

Supervisor: Nafissa El Jabban

Project Name: IR Interface



School: Al Mali International Private School

Members: Rawan El Shawadfi

Mariam Suliman Mohamed Ali Al Hammadi

Supervisor: Amani Elhusseini Mohamed Hegazi

Project Name: Alarming Circles System



School: Qatr Al Nada Secondary School

Members: Sara Mohamed Noaman Telep

Mai Saif Abdulla Khamis

Supervisor: Nahed Mostafa Kamel Abd Elhamid

Project Name: Your Mobile Alerts You When Someone Breaks into Your House



School: Al Royah Girls School for Basic and Sec. Edu.

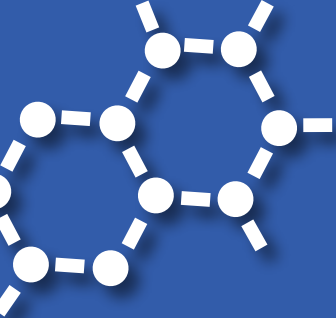
Members: Duha Rashed Saeed Bakhetai Al Shehhi

Fatema Aaref Mohammed Al Aajel Al Teneiji

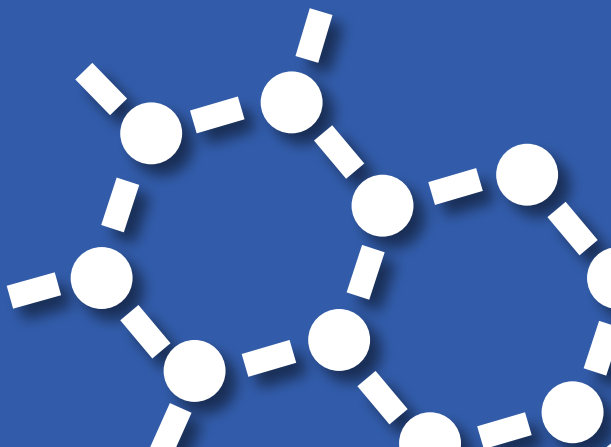
Nouf Abdulla Abdulla A.A Al Suwaidi

Supervisor: Ebtesam Ahmed Rashed B.Subait Al Shemeili

Project Name: To Safety



Applied Chemistry





School: Al Shohub School

Members: Almaha Mubarak Al Mansoori

Reem Saeed Al Dahari

Supervisor: Johanna Botha

Project Name: Artificial Photosynthesis – an Exciting
Alternative Energy Source



School: Al Abbas Bin Abdelmutaleb

Members: Mohamed Osama Aly Abdelaziz Elokda

Mohammed Seraihi

Supervisor: Ali Ali Abdelaziz Hamad

Project Name: New Brick or C-Brick



School: Muath Bin Jabal

Members: Khalid Abdalla

Rami Assim Karkout

Supervisor: Mohammed Mohammed Raof

Project Name: Using the Maximum Benefits of the Lead-Acid Batteries



1st
Place
Winner

School: Hunain School

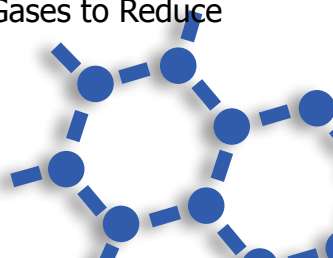
Members: Reem Khamis Matar

Mariam Ahmad Hussein

Shadha Khadher Mohamed

Supervisor: Ghada Bahey Eldin

Project Name: Processing of Factories' Gases to Reduce
Air Pollution





2nd
Place
Winner

School: Amrah Bint Abdul Rahman

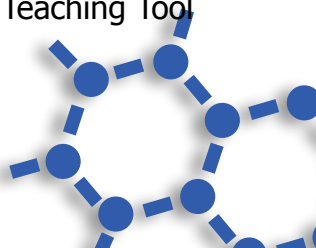
Members: Noura Salem Mubarak Dhahi Abu Moqraia

Manal Mohamed Omar Abdulla Omar

Batool Sameer Rasheed Herzallah

Supervisor: Sara Elhadi Mohamed Idris

Project Name: Periodic Table -Interactive Teaching Tool





School: Al Ain English Speaking School

Members: Áron Braunsteiner

Ibraheem Fozi Dakilah

Joel Klassen

Supervisor: Zaheer Abass

Project Name: The Super Cooling of Liquids and Their Uses.



School: Applied Technology High School-Girls

Members: Areej Mabrouk Abdrabo Salem Bin Amro

Salma Mohd Saad Mohd Basheer Husain Al Shaqfa

Asmaa Saeed Ali Bin Hareb Al Mheiri

Supervisor: Nawal Gamaini

Project Name: Ethanol Fuel Cell



School: Hamdan Bin Mohammed

Members: Othman Hussin Mouhamed

Soud Mouhamed Al Mrzoui

Supervisor: Bushra Abdel Moneim

Project Name: Environmental Cement



School: National Charity

Members: Mohamed Mahroos

Rashid Omar

Supervisor: Hussein Mohammad Hasan

Project Name: Developed Auto Exhaust



School: Salama Bent Butti

Members: Ameena Safar Yaaqoub Nasralla Al Hosani

Supervisor: Muneera Saleh Brek Omer Alkindi

Project Name: Convert Carbon Dioxide Emitted Pollutants
into Water Vapor



School: Al Zayediyah Secondary School

Members: Ahmed Rashed Humaid Rashed Al Yahyaee

Hmoud Khalifa Hmoud Saeed Al Qayoudi

Saeed Slayem Nassib Mubarak Al Shamisi

Supervisor: Mohamed Hosny Ibrahim Abdel Rahman Gadalla

Project Name: Design for an Instrument Used for the Recycling of Acids and Bases



School: Al Shohub School

Members: Fakhra Khalifa Al Khaili

Amna Ali Al Romaithi

Fatima Fahed Al Zaabi

Supervisor: Johanna Botha

Project Name: Carbon Dioxide - from Waste to Want



School: Al Rams Secondary School

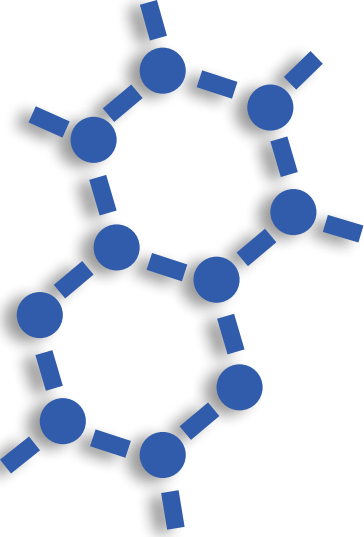
Members: Mohammed Jasem Mohmmmed K.Al Suwadi

Ahmed Hasan Ebrahim A.A. Al Kas Altenaji

Salem Sultan Ahmed Bin Al Shaikh Al Zaabi

Supervisor: Yasser Mohamed Abdelmoeti Mohamed El Seiri

Project Name: Brightening Bottle Project

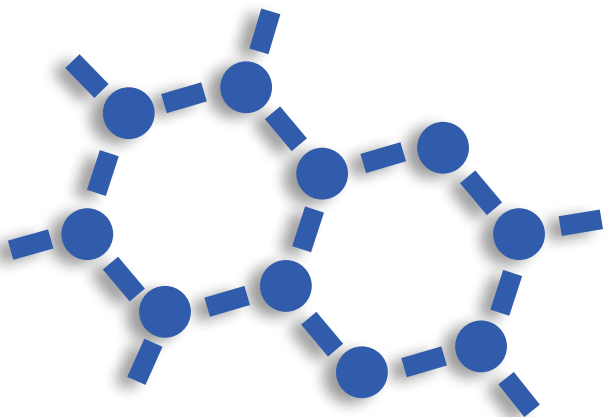


Cellulose Cells

School: Amrah Bint Abdul Rahman

Members: Rawia Awadh Saleh Mohamed Al Shareef
Sara Abelkhalek Mohamed Badawy

Supervisor: Amany Ismail Awad Moussa





Energy



School: Asma Bint Omais High School

Members: Shaikha Abdulla Samrah Ali Al Shehhi

Maitha Ali Qasem Ghulam Al Blooshi

Rakia Mohad

Supervisor: Hend Saleh Yousef Al Dhahri

Project Name: A Machine to Cool Water



School: Al Kamal American School

Members: Ahmed El Sayed Ahmed Ahmed Mohamed El Rayes

Saud Salim Mohamed Al Shaer Al Ali

Omar Abdulla Ali Ahmed Al Shamsi

Supervisor: Muhammad Sameer Hafeez

Project Name: Hydroelectric and Thermocouple Technology

1st
Place
Winner



School: Al Rams Secondary School

Members: Basil Refaat

Ebrahim Mohammed Ahmed Kulaib Al Tenaiji

Abdulla Khaled Saleh S. Al Tenelji

Supervisor: Yasser Mohamed Abdelmoeti Mohamed El Seiri

Project Name: Generate Electric Power as a Result of the Movement of the Metro, Trains and Automobiles



School: Umm Roman

Members: Shaikha Jasim Mohamed Hussain Mohamed
Amna Ibrahim Mohamed Ali Al Amri

Supervisor: Yassmin Abdel Azim Abdel Gawad Abdel Fattah

Project Name: Hybrid Car



School: Al Raefah

Members: Suhail Mohamed Obaid

Abdullah Saeed Bin Hamda

Supervisor: Ekrami Moustafa Mahmoud Rashed

Project Name: Production of Electrical Energy from the Gulf Water



School: Dubai National School

Members: Galila Gamal Eldin Abdelaal Khougali

Heba Samih Al Tarabichi

Supervisor: Nafissa El Jabban

Project Name: Water Energy



School: Dubai National School

Members: Fatma Al Qurashi

Roodah Al Shamsi

Amna Bin Kenaid

Supervisor: Nafissa El Jabban

Project Name: Sound to Electricity Box



School: Hunain School

Members: Reem Rashed Najem Rashed Al Khanjari

Noof Abdulla Mahmoud Abdulla Al Ali

Dana Yaseen Abdulla Sayar Al Hosani

Supervisor: Nema A.I. Hashikaha

Project Name: Produce Electrical Energy from the Kinetic Energy of Water



School: Salama Bent Butti

Members: Aisha Rashid Saude Al Abrie

Turkia Abdullah Khamis Al Mansoori

Noora Abdulla Khalfan Obaid Al Memmari

Supervisor: Muneera Saleh Brek Omer Alkindi

Project Name: Smart Street Lighting



School: Al Royah Girls School for Basic and Sec. Edu.

Members: Khadija Medhat Abdelaziz El Basiouny
 Maryam Mohammed Ahmed Kulaib Ali Teneji
 Fatema Sulaiman Hasan B.T Al Shemeili

Supervisor: Ebtesam Ahmed Rashed B.Subait Al Shemeili

Project Name: Monster Inc.



2nd
Place
Winner

School: Applied Technology High School-Girls

Members: Reem Zaid Al Ruwaiei Bsher Al Menhali

Nora Salem Saleh Mubarak Al Braiki

Rawan Habreesh Saeed Abdulazeez Al Katheeri

Supervisor: Buthaina Ali I Abandah

Project Name: Date Energy



School: Al Shohub School

Members: Fakhra Khalefa Al Nehayan

Shamsa Ibrahim Al Dhaheri

Supervisor: Johanna Botha

Project Name: Energy from Sand



School: Applied Technology High School-Girls

Members: Abrar Mohamed Hasan Al Arli

Noora Mohamed Mohamed Al Ahmad

Supervisor: Mirna Charbel Yammine

Project Name: A Laptop Charger from Solar Cells



School: The Glenelg School of Abu Dhabi

Members: Abdulla Al Hammadi

Khalid Al Zarouni

Abdulla Al Ameri

Supervisor: Hassan Mounib Subhie

Project Name: Bi-fuel Car System



Mechanical and Industrial Systems





School: Applied Technology High School-Boys

Members: Khaled Talal Salem Al Suloomi Al Zaabi

Amer Awadh Saleh Ali Al Harthi

Sultan Mohamed Tayeb Abdulraheem

Al Mazrzooqi

Supervisor: Abdi Mohamed Handuleh

Project Name: AirCond Powered Charger

1st
Place
Winner



School: Al Sofouh Model Secandery School

Members: Maimoonah Mansoor Mohammad

Supervisor: Maha Obaid Mohammad Darwish Alshehhi

Project Name: Games for Down's Syndrome



School: Applied Technology High School-Boys

Members: Rashed Jasem Ahmed Mohammad Majed

Hamed Abdulla Abbas Al Balooshi

Supervisor: Hussam Eljammal

Project Name: Wind Rechargeable Electric Car



School: Al Dhahera

Members: Ghaleb Ahmed Aqlan Saeed Al Seena

Rashed Juma Hamdan Mohammed Al Blooshi

Mohammed Salim Ali Al Badi

Supervisor: Mohammed Sami Hussein Karajah

Project Name: Moving Humps



School: Applied Technology High School-Boys

Members: Mohamed Ali Saeed Rashed Al Hmoudi

Mohamed Ali Ahmed Saif Al Zaabi

Mohamed Abdalla Mohamed Khalfan Hilal

Al Naqbi

Supervisor: Antonio Buca

Project Name: Futuristic Flying Car



School: Al Dhmaa

Members: Omar Yaqoub Saif Mohmmmed Al Jaber
Mohmmmed Ibrahim Hassan Al Balushi

Supervisor: Issa Hekmat Abdul Razzaq Ghazal

Project Name: Automated Paper Cutter



School: Dubai National School

Members: Muhammad Unas Paracha

Abdulla Mohd Ahmad Abdulqader

Supervisor: Hazim Mahmoud Safauq Magairah

Project Name: Solar Swimming Pool Heater



School: Al Ain English Speaking School

Members: Mohamed Maged Mohamed Shaaban

Fahad Mohammad

Supervisor: Zaheer Abass

Project Name: Engines of Tomorrow



School: Um Ammar Secondary School

Members: Montaha Mustafa Yousef Suleiman

Alanood Abdulwahab Mohammed Al Rand
Al Blooshi

Supervisor: Fatema Yousef W O Mohamed

A M AlKaabi

Project Name: Steps with Hope



School: Applied Technology High School-Girls

Members: Khuloud Ali Obaid

Mazena Suhail Al Junaibi

Supervisor: Ghada Mohammed

Project Name: Electromagnetic Crane



School: Applied Technology High School-Girls

Members: Fatima Mohammed Ahmed Mubarak Al Menhali

Mariam Hasan Saleh Ali Hmoud Al Seraihi

Sali Hassan Hamza Salem Moula Al Duwaila

Bani Hashem

Supervisor: Sana Safyan

Project Name: Power Generation by Speed Breakers



School: Amrah Bint Abdul Rahman

Members: Khulood Ahmed Saleh Saeed

Khanza Atallah

Bakheeta Salem Mubarak Dhahi

Supervisor: Dad Suleiman Yousef Musleh

Project Name: Produce Electricity Using AC Fans



School: Applied Technology High School-Boys

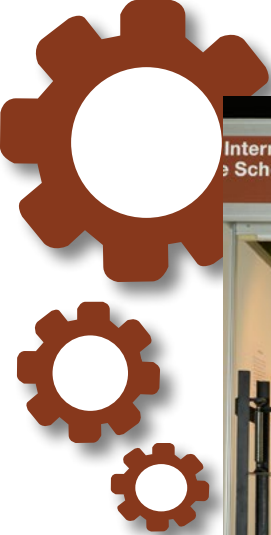
Members: Ahmed Abdulla Zareef

Mohamed Abdulmunem Bin Ishaq

Saif Amer Hasan Saeed Mohammed

Supervisor: Husam Saleh Hajjaj

Project Name: Water Bottle Production Line



2nd
Place
Winner

School: Dubai International Private School

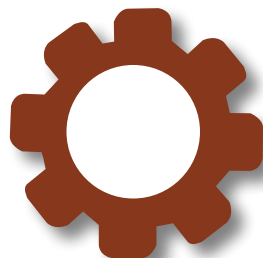
Members: Majedeh Sharaf

Mohamad Abdul Qader

Abdalla Khalid Murad

Supervisor: Majdi Abouzaki

Project Name: Clean Energy: Converting
Mechanical Energy into Electric Energy





School: Islamia English School, Abu Dhabi

Members: Ali Bin Tariq

Choudhary Asim Mannan

Syed Mohammed Umer

Supervisor: Muhammad Usman Farooq

Project Name: Aerospace and Aerodynamics



School: Applied Technology High School-Boys

Members: Mohamed Ebrahim Ali Al Qudimi

Khalifa Khaled Al Arafati

Mohamed Abdulhakeem Al Tabour

Supervisor: Husam Saleh Hajjaj

Project Name: Electrical Wheel Chair



School: Al Dhmaa

Members: Omar Yaqoub Saif Mohmmmed Al Jaberi
Mohmmmed Ibrahim Hassan Al Balushi

Supervisor: Issa Hekmat Abdul Razzaq Ghazal

Project Name: Automated Paper Cutter



School: Applied Technology High School-Girls

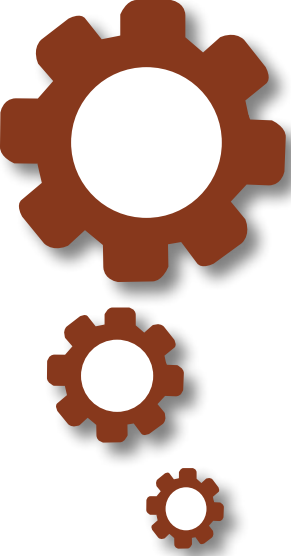
Members: Sundus Hasan Jumaa Hasan Al Hosani

Shaima Hasan Hadi Saeed Al Menhali

Maitha Abdulla Khamis H. Al Muhairi

Supervisor: Elise Dib

Project Name: Bottle Filling Machine



Wide Angled Glasses

School: Dubai National School

Members: Mohammad Musa Subhi Hammoudeh

Ammar Juma Al Bloki

Omar Mohammad Ahmed Kahin

Supervisor: Hazim Mahmoud Safauq Magairah

