



# WORLD FINALS

## Malaysia 2011



Supported by



# EVENT REPORT

## INTRODUCTION

**THE 7TH F1 IN SCHOOLS WORLD FINALS WERE HELD IN MALAYSIA IN SEPTEMBER 2011 WHEN 23 TEAMS FROM 17 COUNTRIES AROUND THE WORLD CAME TOGETHER TO COMPETE FOR THE COVETED BERNIE ECCLESTONE WORLD CHAMPIONS TROPHY, AS WELL AS AUTOMOTIVE AND MOTORSPORT ENGINEERING SCHOLARSHIPS TO CITY UNIVERSITY LONDON.**



The event took place over 4 days at the DoubleTree by Hilton Hotel in Kuala Lumpur, where teams displayed a wealth of knowledge and expertise across many areas including engineering, manufacture, design, business, marketing and presentation skills.

Following 2 days of competition judging, day 3 of the event saw tension mount as the competitors went head to head in the intense knockout competition held before the Awards Celebrations. A total of 18 trophies were presented in front of VIP's from the world of Education and Formula One™ and the Guest of Honor Datuk Ir. Dr. Wee Ka Siong, Deputy Minister of Education Malaysia.

Following all of the hard work displayed during the event the competitors travelled down to Singapore where many experienced a behind the scenes look at the Formula 1 SingTel Singapore Grand Prix, including exclusive access for garage tours and gaining a real insight into the world of Formula One.

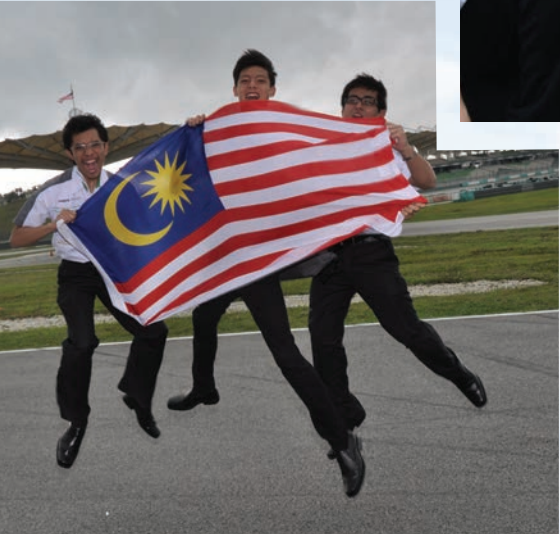
### WHAT IS F1 IN SCHOOLS?

F1 in Schools Ltd is a not-for-profit company established with committed partners to provide an exciting yet challenging educational experience through the magnetic appeal of Formula One™. The challenge is the biggest STEM competition in the world!

## THE CHALLENGE

- Working in teams of between 3 and 6, each student is assigned roles. The team prepares a business plan, develops a budget and raises sponsorship. Teams are encouraged to collaborate with Industry and forge business links.
- Using 3D CAD (Computer Aided Design) software, the team designs a Formula One car of the future.
- Aerodynamics are analysed for drag coefficient in a virtual reality wind tunnel using Computational Fluid Dynamics Software (CFD).
- Using 3D CAM (Computer Aided Manufacture) software, the team evaluates the most efficient machining strategy to make the car.
- Aerodynamics are tested in wind and smoke tunnels.
- The Race is on, at more than 60kph. Cars race side-by-side along 20-metre straights.

**TEAMS ARE JUDGED ON CAR SPEED, AS WELL AS SUPPORTING EVIDENCE OF THEIR DESIGN, VERBAL PRESENTATION AND MARKETING DISPLAY STAND IN "THE PITS". TEAMS COMPETE REGIONALLY, NATIONALLY AND INTERNATIONALLY FOR THE BERNIE ECCLESTONE F1 IN SCHOOLS WORLD CHAMPIONS TROPHY.**



# DAY ONE SUNDAY 18TH

FOLLOWING A POLICE ESCORT FROM KUALA LUMPUR THE STUDENTS ENJOYED AN ACTION PACKED DAY FULL OF EXCITEMENT AT THE SEPANG INTERNATIONAL CIRCUIT WHO GAVE THE TEAMS AN EXTRA SPECIAL BEHIND THE SCENES EXCLUSIVE TOUR OF THE CIRCUIT INCLUDING RACE CONTROL, THE MEDIA CENTRE, THE WINNER'S PODIUM AND EVEN ALLOWED THEM ON TO THE TRACK TO POSE FOR A GROUP PHOTO ON THE START AND FINISH LINE.

The students were then treated to an exclusive lap of the circuit in 6 VIP coaches. A Cultural Gift Exchange Lunch then took place sponsored by Sepang International Circuit, where teams exchanged gifts from their own country including Scottish shortbread, Irish shamrocks, boomerangs and F1 car shaped stress balls. In the evening back at the official venue and competition hotel, the DoubleTree by Hilton, the students constructed their team pit display and completed event registration ready for the judging to commence.

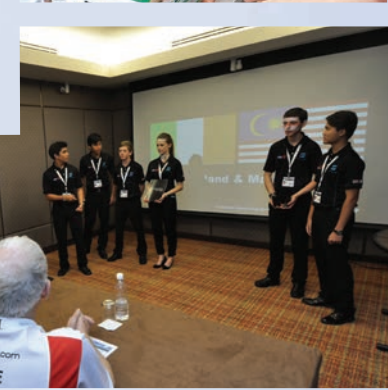
## DAY TWO MONDAY 19TH

TEAMS AND VIP GUESTS GATHERED FOR THE OFFICIAL OPENING CEREMONY IN THE PRESENCE OF THE HONORABLE MR. MOHD ANUAR, SENIOR CHIEF ASSISTANT DIRECTOR, DIVISION OF CO-CURRICULAR & ARTS FROM THE MINISTRY OF EDUCATION AND WAS JOINED BY RIAD ASMAT, CEO OF TEAM LOTUS FOR THE OFFICIAL 'FLAG OFF' RACE. THIS FIRST RACE OF THE EVENT SIGNIFIED THE F1 IN SCHOOLS WORLD FINALS MALAYSIA 2011 OFFICIALLY OPEN.



Now the time all 23 winning teams had been waiting for had finally arrived and the competition was on! Teams were judged across a variety of different areas which saw them giving a verbal presentation to a panel of judges, racing their cars on the specially designed F1 in Schools track, presenting their portfolios and pit display and being questioned about the engineering behind their designs. During the evening the students were given free time to explore the wonderful city of Kuala Lumpur.





## DAY THREE TUESDAY 20TH

ANOTHER DAY OF INTENSE COMPETITION WITH A NERVOUS TENSION IN THE AIR AS TEAMS CONTINUED WITH VERBAL PRESENTATIONS, ENGINEERING JUDGING, REACTION TIME RACING AND PORTFOLIO JUDGING. AS THE JUDGING TIMETABLE CAME TO AN END THE TEAMS GATHERED AT THE RACE TRACK FOR THE FIRST ROUND OF THE NERVE TINGLING KNOCK-OUT RACING.



On Wednesday evening VIP guests were invited to attend a canapé reception hosted by The Institution of Engineering and Technology (IET) whilst giving them a chance to meet the teams and look around the fantastic pit displays that were on show.

The Awards Celebration followed hosted by David Croft and attended by the Guest of Honour Datuk Ir. Dr. Wee Ka Siong, Deputy Minister of Education Malaysia and special guests from the world of Education and Formula One. 18 trophies were given out in total including the crowning of the 2011 World Champions the PentaGliders from Tasmania, Australia.



## DAY FOUR WEDNESDAY 21ST

TENSION MOUNTED ON WEDNESDAY MORNING AS ALL THE CONTESTANTS WATCHED THE FINAL ROUNDS OF THE KNOCK-OUT RACING IN ANTICIPATION FOR WHEN TEAMS WENT HEAD TO HEAD TO FIND THE KNOCK-OUT COMPETITION WINNERS.



# WORLD CHAMPIONS, SECOND PLACE & THIRD PLACE

# 3



**THIRD PLACE** Sponsored by The IET  
**UNITUS RACING, USA**  
 South East High School and James Madison Middle School



## WORLD CHAMPIONS

sponsored by Formula One Management Ltd and City University London

### PENTAGLIDERS, AUSTRALIA

Brooks High School

PentaGliders from Brooks High School in Tasmania, Australia, were crowned the 2011 F1 in Schools World Champions after an intense 3 days of competition. Along with the Bernie Ecclestone World Champions Trophy the PentaGliders also won coveted Automotive and Motorsport Engineering scholarships to City University London.



**SECOND PLACE**  
 Sponsored by Ministry of Education Malaysia  
**BETAGREEN, GERMANY**  
 Grootmoor Gymnasium, Hamburg

# 2



# AWARD WINNERS



**VODAFONE** McLAREN MERCEDES

Best Engineered Car Award  
supported by Vodafone McLaren Mercedes

**PENTAGLIDERS**

Brooks High School, Australia



Collaboration Award supported by Team Lotus

**TRIDENT RACING**

Sebastopol College and Raffles Girls' School  
Australia and Singapore



**MERCEDES GP**  
**PETRONAS**  
FORMULA ONE™ TEAM

Fastest Car Award  
supported by Petronas Mercedes GP

**PENTAGLIDERS**

Brooks High School, Australia (1.084 seconds)



Verbal Presentation Award  
supported by Williams F1

**DYNAMIC**

St John Payne Catholic School, UK



Team Identity Award supported by Ferrari

**AXIS**

Dubai College and Aminudin Baki Secondary School  
UAE and Malaysia



Knock-out Racing Award  
supported by Sepang International Circuit

**THE GOLDEN GECKOS**

Crocus Plains Regional Secondary School, Canada



Pit Display Award  
supported by Toro Rosso

**OCTANE RACING**

Dundalk Grammar School, Ireland







Outstanding Sportsmanship Award  
supported by Force India Formula One Team

### CYBER EXPRESS F1 TEAM

Gymnázium J.K.Tyla, Czech Republic



Team Portfolio Award  
supported by F1 Racing Magazine

### VELOSPEED SIC

Sekolah Menengah Sains Hulu Selangor Malaysia



Sponsorship and Marketing Award  
supported by Marussia Virgin Racing

### FFLAM

Ysgol Botwnnog, Wales



Perseverance in the Face of Adversity Award  
supported by Red Bull Racing

### PHOENIX TEAM KENYA

St. Andrew's School, Kenya



Best Research and Development Award  
supported by Pirelli

### BETAGREEN

Grootmoor Gymnasium, Germany



Innovative Thinking Award  
supported by Lotus Renault GP

### TEAM REDSHIFT

Dubai College, UAE



Best Newcomer Award  
supported by Sauber F1 Team

### DRESSER RACING

Kongsberg High School, Norway



Best Team Website Award  
supported by Denford Ltd

### OCTANE RACING

Dundalk Grammar School, Ireland





## DAY FIVE SUNWAY LAGOON THEME PARK

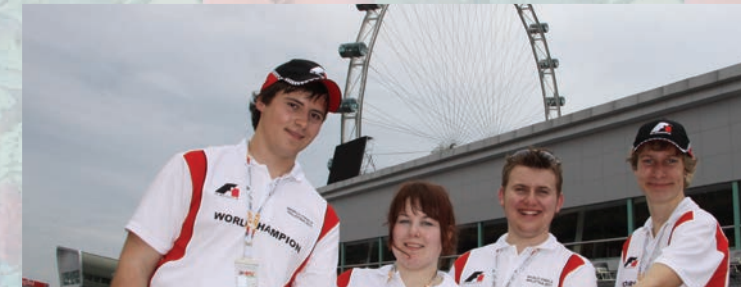
AFTER THE OFFICIAL COMPETITION HAD FINISHED THE TEAMS ENJOYED A DAY OUT AT THE SUNWAY LAGOON THEME PARK.



## OFFICIAL AFTERPARTY

FOLLOWING THE GLITTERING AWARDS CELEBRATION THE TEAMS CELEBRATED AND PARTIED AT THE OFFICIAL EVENT AFTER-PARTY HELD AT THE HOTEL POOLSIDE.





## DAY FIVE THURSDAY 22ND

THE NEWLY CROWNED WORLD CHAMPIONS PENTAGLIDERS WERE TRANSFERRED TO SINGAPORE, WHERE THEY WERE GIVEN AN EXCLUSIVE INSIGHT INTO THE REAL WORLD OF F1. THE TEAM WAS SHOWN AROUND THE 2011 SINGTEL FORMULA 1 SINGAPORE GRAND PRIX Paddock WHERE THEY MET VARIOUS F1 DRIVERS AND TEAM MANAGEMENT WHICH WAS A TRULY ONCE IN A LIFETIME EXPERIENCE! ON FRIDAY THEY WERE OFFICIALLY PRESENTED WITH THE WORLD CHAMPIONS TROPHY BY MR. ECCLESTONE.

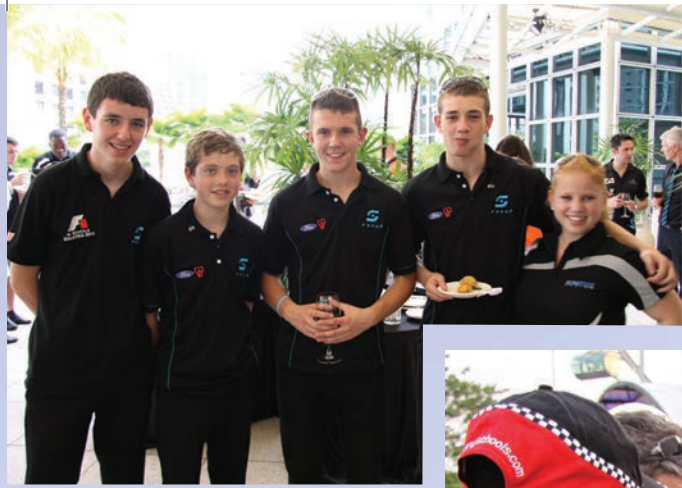




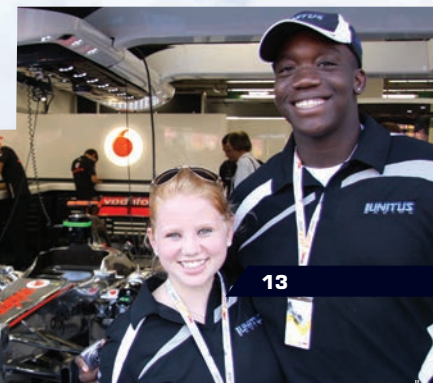
## DAYS SIX, SEVEN & EIGHT WINNING TEAMS VISIT THE F1 PADDOCK

THE TEAMS WERE WELCOMED TO SINGAPORE WITH A RECEPTION SUPPORTED BY MCLAREN, HELD AT THE CONRAD CENTENNIAL HOTEL.













During the F1 Grand Prix weekend the F1 in Schools prize winning teams were taken into the paddock for an exclusive behind the scenes experience. The students were given tours of the Formula One team pit garages and hospitality and had the chance to meet various Formula One Drivers and Technical Directors. To round everything off the teams took to their seats to watch the live racing action from the Marina Bay Grandstand.



# COMPETING TEAMS

TEAM NAME	COUNTRY	SCHOOLS	TEAM NAME	COUNTRY	SCHOOLS
Trident Racing	  Australia Singapore	Sebastopol College Raffles Girls' School	Octane Racing	 Ireland	Dundalk Grammar School
TRIUMPH Racing	   Singapore Canada England	Henderson Secondary School Woburn Collegiate Institute PETROC	Phoenix Team Kenya	  Kenya	St Andrew's School
Team FOCUS	  Malaysia Ireland	Datuk Abdul Razak Secondary School Presentation College	Velospeed SIC	 Malaysia	Sekolah Menengah Sains Hulu Selangor
Solstice	  Canada England	Dr Norman Bethune Collegiate Institute Robert May's School	Dresser Racing	 Norway	Kongsberg Videregående Skole
Trans Tasman Racing	  Australia New Zealand	Mirani State High School Auckland Grammar School	Racing the Ocean	 Portugal	Colégio Alemão do Porto
Axis	  UAE Malaysia	Dubai College Aminudin Baki Secondary School	C-Force	 Scotland	Craigroyston Community High School
HAWKS	  Germany USA	Heinrich-Heine-Gymnasium Wheeler High School	Racing	 Singapore	River Valley High School
PentaGliders	 Australia	Brooks High School	Team RedShift	 UAE	Dubai College
The Golden Geckos	 Canada	Crocus Plains Regional Secondary School	Dynamic	 UK	St John Payne Catholic School
Cyber Express F1Team	 Czech Republic	Gymnázium J.K.Tyla	UNITUS RACING	 USA	James Madison Middle School- Southeast High School
BETAGREEN	 Germany	Grootmoor Gymnasium	Ninjas	 USA	Elizabethtown Area Middle School
			Fflam	 Wales	Ysgol Botwnnog

# MEDIA EXPOSURE

THE EVENT RECEIVED A WIDE RANGE OF INTERNATIONAL TV AND PRESS COVERAGE FROM ALL FOUR CORNERS OF THE WORLD COVERING MOTORSPORT, EDUCATION AND NATIONAL PRESS.

ABC NEWS  
News Home Just In Local World Business Entertainment Sport The Ozone Weather Shows In Depth Programs  
HOT TOPICS  
The World Today  
Central Queensland competes on F1 world circuit  
Three students in central Queensland are preparing to show the world they can compete in Formula One racing.

RACER  
HOME F1 INDYCAR NASCAR SOGA ALMS GRAND-AM IRVING WRC MOTOGP BLOKS BLOGS SUBSCRIBE  
U.S. team takes third place in second annual F1 in Schools program  
Drogheda Independent  
NEWS  
LOCAL NOTES  
School brings home prizes from F1 finals in Malaysia

BBC NEWS ESSEX  
7 September 2011, last updated at 17:27  
Formula One in Schools challenge for Chelmsford school  
Students from an Essex school are to represent England as a Formula One Schools competition takes in Malaysia.

Formula 1  
NEWS RACES RESULTS GALLERY TEAMS & DRIVERS INSIDE F1 LIVE TIMING VIDEO TICKETS & TRAVEL F1 STORE MOBILE  
2011 SEPTEMBER  
F1 in Schools gears up for 2011 World Finals  
Students from around the world are putting the finishing touches to their model Formula One cars ahead of the 2011 F1 in Schools World Finals, which will be held in Malaysia next week.

Formula 1  
NEWS RACES RESULTS GALLERY TEAMS & DRIVERS INSIDE F1 LIVE TIMING VIDEO TICKETS & TRAVEL F1 STORE MOBILE  
2011 AUGUST  
F1 in Schools World Finals 2011 to be held in Malaysia  
Official endorsement from the Malaysian Ministry of Education  
The 2011 Formula One in Schools Technology Challenge World Finals will take place in Kuala Lumpur, Malaysia on September 19-21, organisers have confirmed.

Formula 1  
NEWS RACES RESULTS GALLERY TEAMS & DRIVERS INSIDE F1 LIVE TIMING VIDEO TICKETS & TRAVEL F1 STORE MOBILE  
F1 in Schools first took place in the United Kingdom in 1999, before becoming a national programme the following year. It has expanded across the globe since this time, enjoying year-on-year international growth, and is now accessible to over 15 million students in 34 countries.

MANNY PACQUIAO  
TheNational  
Dubai teenagers to compete in F1 in Schools competition  
The Dubai Competition Centre has announced plans to host the 2011 F1 in Schools competition, which will be held in Dubai next week.

AVAILABLE NOVEMBER 2011 iPad  
TheNational  
School teams take F1 chequered flag  
The Dubai Competition Centre has announced plans to host the 2011 F1 in Schools competition, which will be held in Dubai next week.

GPUPDATE  
Tune in to Belfast to discover a more exciting line up.  
FORMULA 1 | FORMULA 2 | GP2 | GP3 | INDYCAR | MOTOGP  
Malaysia to host F1 in Schools World Finals  
18 August 2011  
It has been announced that Malaysia will play host to this year's F1 in Schools World Finals, with the competition taking place in capital city Kuala Lumpur from September 19-21.

PaddockTalk  
CONGRATULATIONS!  
Home Editions Extras Forums Photo Gallery About  
F1 in Schools World Finals 2011 to be held in Kuala Lumpur, Malaysia  
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F1 in Schools World Finals 2011 to be held in Kuala Lumpur, Malaysia



VODAFONE McLaren MERCEDES



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