



WORLD FINALS



ABU DHABI 14



EVENT REPORT



INTRODUCTION



The 10th F1 in Schools World Finals were held at Ferrari World Abu Dhabi in November 2014 during the week prior to the 2014 FORMULA 1® ETIHAD AIRWAYS ABU DHABI GRAND PRIX.

38 teams from each corner of the globe arrived into Abu Dhabi to compete for the coveted Bernie Ecclestone World Champions trophy.

“It has been another amazing World Finals event. We’ve had the most competitive event ever, with just a few points separating the top teams. There has also been plenty of high drama with tears of joy, frustration and disappointment along the way as the students prove just how passionate they are about F1 in Schools.

Celebrating our 10th World Finals was a fitting occasion to see the F1 in Schools World Record broken by Colossus F1 who showed innovation in their unique R & D programme. I wouldn’t be at all surprised to see these faces in the pit lane in the not too distant future.”

Andrew Denford
Founder & Chairman
F1 in Schools

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.

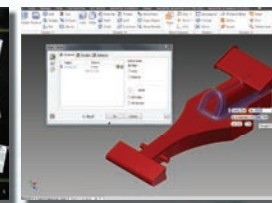
Using 3D CAD (Computer Aided Design) software, the team designs a Formula1® car of the future. Aerodynamics are analysed for drag coefficient in a virtual reality wind tunnel using Computational Fluid Dynamics (CFD). Using 3D CAM (Computer Aided Manufacture) software, the team evaluates the most efficient machining strategy to make the car.

Aerodynamics are tested in wind and smoke tunnels.

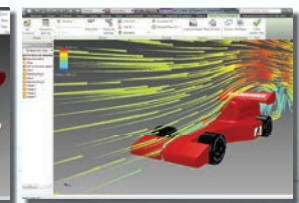
Teams are judged on car speed, as well as supporting evidence of their design, verbal presentation and the marketing display stand in ‘the pits’.



PLAN



DESIGN



ANALYSE



MAKE



TEST



RACE

Teams compete Regionally, Nationally and Internationally for the Bernie Ecclestone F1 in Schools World Champions Trophy

Summaries

Gary Anderson Chair of Judges



The 10th F1 in Schools World Finals was a huge success and I am delighted to have once again taken on the role of Chair of Judges, a challenging but extremely rewarding role.

The standard of the students winning through to the World Finals is outstanding and year on year the teams raise the level of engineering excellence they demonstrate to my team of judges and I.

Each year the teams display different technologies, new materials, outstanding innovative and creative ideas and this year was no disappointment. The students have shown fantastic sportsmanship and the level of mutual respect and camaraderie between the rival teams is truly something to be admired. I think F1 could learn a few things from our judging process and our teams!

Well done to all the students who took part and congratulations to our new World Champions Colossus F1 on their fantastic achievement.

Gary Anderson

Crofty Master of Ceremonies

Well the F1 in Schools World Finals was certainly great fun to be involved in again this year!

The students involved are a real asset to their respective countries and it was a real pleasure hosting the event, which is always very rewarding for me to be a part of.












Every year I'm blown away by the levels of professionalism, creativity, innovation and ingenuity the students display and this year was on another level! I congratulate all the students on their hard work to win a place at the world finals and I hope each and everyone one of them enjoyed the experience.

David Croft Sky Sports F1 HD Commentator



Competing Teams

TEAM NAME	COUNTRY	SCHOOL
Affinity F1		United States Granbury Isd
Aurora		Canada Crocus Plains Regional Secondary School
Autolaunch Racing		Ireland Presentation College
Boreas		Germany Gymnasium an der Stenner
Colossus F1		England Robert May's School
CRATALYX F1 TEAM		Malaysia Sekolah Menengah Sains Hulu Selangor
Eastern Fire		China The Experimental High School
Escudería Charro		Mexico Colegio Cedros Norte
Fire Racing		Cyprus Pascal English School Lefkosia
Força Canindé		Brazil Colégio Bandeirantes
Gamma Raycing		Australia Magdalene Catholic High School
Gulf Speed Racing		Bahrain St Christopher's School, Bahrain
Javelin Racing		Germany Marie-Therese Gymnasium
Phoenix Legacy		Singapore Raffles Girls' School
Photon Racing		Ireland Presentation College
Phronesis Group		Canada Satec@W.A.Porter C.I.
POLE POSITION		Greece American College Of Greece - Pierce
Project Speed		United Arab Emirates Repton School, Dubai
Proton Elitus		Malaysia Smk Usj 13
RACING ART		Portugal Escola Secundária De Fafe
Red Dragon Racing		Wales Connah's Quay High School

TEAM NAME	COUNTRY	SCHOOL
Safire Racing		United Arab Emirates German International School Dubai
Sapphire Racing Team		Greece Italian School Of Athens
Six and Plus		Cyprus Saint George's Lyceum Larnaca
SLIPSTREAM		United States Southeast High School
Southern Cross F1		Australia Barker College & Merewether High School
Spectrum		Portugal Escola Secundária Alves Martins
Team Acero		India The British School
Team Nero		Northern Ireland Regent House School
Team Robus		Scotland Deans Community High School
Vortex Racing		Qatar Doha British School
Whittle Wonders		UK North Leamington School

INTERNATIONAL COLLABORATION TEAMS

TEAM NAME	COUNTRY	SCHOOL
Absolute Accelero	 	Greece & Cyprus Lyceum Archangelou Apostolos Markos and Italian School Of Athens
AC Racing	 	Czech Republic & Austria Bg Brg Gmunden & Secondary Technical School, Strakonice
FUSION F1	 	Ireland & UAE Presentation College & Dubai College
HighEnd Racing	 	Germany & Malaysia Lessing-Gymnasium & Sekolah Menengah Kebangsaan Agama Johor Bahru
Impact	 	Australia & Scotland Newington College & Dunfermline High School
SpeedForce Racers	 	Hong Kong & Portugal Sha Tin College College & Escola Técnico Profissional De Cantanhede

Day 1

Visit to the Sheikh Zayed Grand Mosque



A visit to the magnificent Sheikh Zayed Grand Mosque hosted by the ADTCA was the highlight of the day. The teams were taken on an enlightening guided tour of Abu Dhabi's most visited landmark ahead of three days of intense competition at Ferrari



Teams set aside rivalries for welcome networking lunch

Ahead of the official start of the tenth World Finals the welcome networking lunch presented the first opportunity for the teams to meet their competitors. With teams from 24 different countries, a diverse range of students congregated in the Ballroom at the Radisson Blu Hotel Yas Island. The room was full of high spirits as the teams exchanged details and got to know one and other, capturing the event on cameras and phones.

World, Abu Dhabi. Not only were the teams amazed by the mosque's architectural splendor and scale, they also discovered the cultural traditions of Abu Dhabi. The outstanding white and gold colours of the Mosque transformed as the sun descended and another day drew to a close for the competitors.



Day 2

Opening Ceremony and Competition Day 1



ENGLAND SET NEW WORLD RECORD!

Colossus F1 representing England broke the competition's world record race time with a run of 1.003 seconds, beating the 1.020 seconds record of seven year's standing set by Northern Irish team, TEAM FUGA.

The 2014 Opening Ceremony marked the 10th year of the F1 in Schools World Finals.

Formally opened by Al Tareq Al America, Chief Executive Officer of Yas Marina Circuit, the ceremony set the tone of this year's competition with words of encouragement and exciting videos of last year's World Finals. The opening ceremony preceded the first day of judging in this global educational initiative, with the 38 teams in the spotlight for the first of two days of intense scrutiny with verbal presentations, pit display and portfolio assessments and, of course, plenty of action on the track.

Ferrari World Abu Dhabi is a fitting backdrop to the Formula 1 linked competition, with students being given the chance to experience the rides and attractions of the venue between judging sessions. Following the exciting visit to the spectacular Sheikh Zayed Grand Mosque the teams were asked to submit a picture via Twitter that best captured their cultural experiences.

The competition attracted plenty of images with two stunning photographs selected as the winners. And the prize - rides on the front row of the fastest roller coaster in the world, Formula Rossa. Tyler Johnson from USA team, Affinity F1 and Madelyn Kumar from Slipstream, another USA team, were given the ultimate thrill just ahead of the start of the competition.



Day 3

Competition Day 2

A second day of competition judging for the 38 World Finalist teams saw lots of pressure and tension beginning to build as the crowning of the 2014 World Champions was just a couple of days away.

Teams must participate in a range of judging activities during the competition. Whilst some teams presented their verbal presentations to the judging panel, other teams explained their engineering, manufacturing and design choices to the panel of engineering judges. The teams' pit displays and 20 page portfolios are also judged by a separate judging panel.



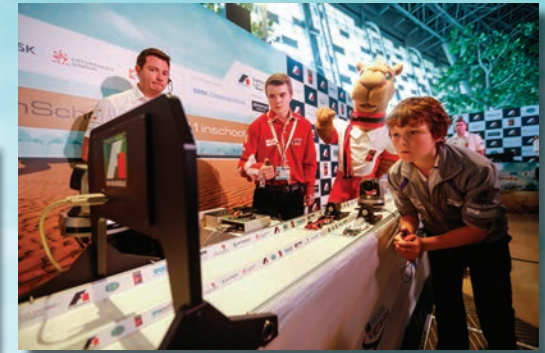
Day 4

Pressure Challenge & Knock-out Competition



The Pressure Challenge this year was for the team's to re-design a helmet that they had previously designed to ergonomically suit Lotus F1 Driver, Romain Grosjean's head (size and shape) and to also incorporate on the helmet the logos of specified sponsors.

To complete the challenge the teams had to use Autodesk Fusion 360 CAD software to modify their existing helmet design around the provided model of Romain's head in a set time period of 2 hours.



For Colossus F1, their team's mastery of Autodesk 3D software proved a winner, with the team collecting the Autodesk Pressure Challenge Award, designing and 3D rendering a helmet for Formula 1, all within two the hour window.

The knockout competition is the competitive stage of the World Finals competition and each team nominate their team member with the best reaction time to launch their car down the 20 metre F1 in Schools race track.



In each round the losing team is eliminated until just two teams go head-to-head in the knockout competition final, which this year was held a day later just prior to the Awards Celebration.

Pole Position from Greece took the victory and were the 2014 knockout competition winners.



Day 5

Visit to Yas Waterworld & Awards Celebration Gala Dinner

Whilst the judges attended the Judges De-Brief meeting the teams all had a fun filled day out at Yas Waterworld featuring 45 rides, slides and attractions.



Awards Dinner

The students had the chance to chat with the VIP guests during the Awards Celebration Gala Dinner sponsored by Abu Dhabi Tourism and Culture Authority and the Institution of Engineering and Technology and hosted by David Croft, Sky Sports F1 HD Commentator.

WORLD CHAMPIONS, 2nd Place & 3rd Place

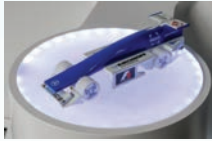
3

THIRD PLACE

Boreas

Gymnasium an der Stenner, Germany

Supported by



1

WORLD CHAMPIONS

Supported by



CITY UNIVERSITY LONDON

Colossus F1

Robert May's School, England



2



SECOND PLACE

Supported by



Gamma Raycing

Magdalene Catholic High School, Australia



Colossus F1, a team of 6 students from Hampshire in England were the outstanding team at this year's World Finals, setting a new F1 in Schools World Record with a time of 1.003 seconds and winning two other awards as well as the title.

Vicky Waterfield, Team Manager, Colossus F1, beamed with pride as she said of Colossus F1 taking the World Champions title, "I'm speechless, I think I need to pinch myself as I just can't believe this has happened. We really didn't think we'd win as there have been so many great teams competing. We have had an amazing experience and to win this has topped it. We've worked so hard, putting in eight hours at school and then another 8 hours afterwards, but it really paid off."



AWARD WINNERS



KNOCKOUT COMPETITION WINNERS

Supported by Ferrari World Abu Dhabi

POLE POSITION

American College Of Greece - Pierce, Greece



FIA WOMEN IN MOTORSPORT AWARD

Supported by FIA Women in Motorsport Commission

Proton Elitus

Smk Usj 13, Malaysia

Nominees:
Victoria Waterfield, Rachael Matthews & Emma Baldry - Colossus F1 - England
Proton Elitus - Malaysia
Katja Melissa Schidor & Julia Pereira - Boreas - Germany



TEAM IDENTITY

Supported by Scuderia Ferrari

Project Speed

Repton School, Dubai

Nominees:
GRATALYX F1 Team - Malaysia
Project Speed - UAE
Spectrum - Portugal



MCLAREN MERCEDES

BEST ENGINEERED CAR

Supported by McLaren Mercedes

Autolaunch Racing

Presentation College, Ireland



MOMENT OF THE WEEK

Supported by Sutton Images

Red Dragon Racing

Connah's Quay High School, Wales



PRESSURE CHALLENGE AWARD

Supported by Autodesk

Colossus F1

Robert May's School, England

Nominees:
Whittle Wonders - England
Colossus F1 - England
Gamma Racing - Australia



RESEARCH AND DEVELOPMENT

Supported by Kalebr

Boreas

Gymnasium an der Stenner, Germany

Nominees:
Whittle Wonders - UK
Gamma Racing - Australia
Boreas - Germany



INNOVATIVE THINKING

Supported by Lotus F1 Team

Colossus F1

Robert May's School, England

Nominees:
Autolaunch - Ireland - Suspension design
Six and Plus - Cyprus - Sealer for the balsa
Colossus F1 - England - Water Tunnel Testing



BEST INTERNATIONAL COLLABORATION

Supported by Shell

FUSION F1

Presentation College, Ireland & Dubai College, UAE



OUTSTANDING SPORTSMANSHIP

Supported by Sahara Force India

Boreas

Gymnasium an der Stenner, Germany

Nominees:
Aurora - Canada
Colossus F1 - England
Boreas - Germany



RECOGNITION OF ACHIEVEMENT

Supported by Infiniti Red Bull Racing

Aurora

Crocus Plains Regional Secondary School, Canada

Nominees:
Team Acero - India,
Aurora - Canada
Project Speed - UAE



BEST NEWCOMER

Supported by Sauber F1

Força Canindé

Colegio Bandeirantes, Brazil



WILLIAMS

BEST VERBAL PRESENTATION

Supported by Williams F1

Autolaunch Racing

Presentation College, Ireland

Nominees:
Aurora - Canada
Phoenix Legacy - Singapore
Autolaunch Racing - Ireland



PIT DISPLAY

Supported by Toro Rosso

Javelin Racing

Marie-Therese Gymnasium, Germany

Nominees:
Javelin Racing - Germany
Fusion F1 - Ireland & UAE
HighEnd Racing - Germany & Malaysia



BEST USE OF SOCIAL MEDIA

Supported by Caterham F1 Team

Affinity F1

Granbury Isd, United States

Nominees:
FIRE Racing - Cyprus
Racing Art - Portugal
AffinityF1 - USA



TATA COMMUNICATIONS

TEAM SPONSORSHIP AND MARKETING

Supported by Tata Communications

SLIPSTREAM

Southeast High School, United States

Nominees:
Gamma Racing - Australia
Slipstream - USA
Sapphire Racing Team - Greece



BEST PORTFOLIO

Supported by Abu Dhabi Tourism and Culture Authority

Southern Cross F1

Barker College & Merewether High School, Australia

Nominees:
Javelin Racing - Germany
Southern Cross - Australia
Boreas - Germany



BEST TEAM WEBSITE

Supported by Fantastic Media

Escudería Charro

Colegio Cedros Norte, Mexico

Nominees:
Photon Eliteus
Escudería Charro - Mexico
Photon Racing - Ireland

Day 6

YAS Marina Circuit Visit

The competing teams had the experience of a lifetime visiting Yas Marina Circuit where they had a group photo taken on the starting grid before taking get a close up look in the F1 team pit garages during a pit lane walk.

Yas Marina Circuit also gave all the competitors tickets to watch the 2014 FORMULA 1 ETIHAD AIRWAYS ABU DHABI GRAND PRIX Friday Practice.

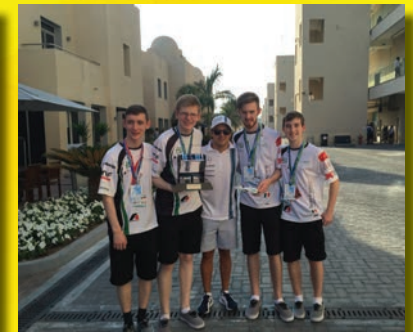
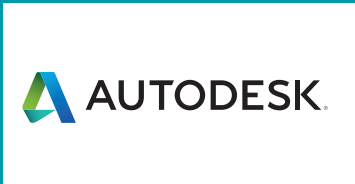


Photo by: Ralf Sichelschmidt

Photo by: Ralf Sichelschmidt

Official After Party at Yas Waterworld



To end the week in style the teams were given an exclusive, out of hours official after party on the Amwaj Beach at Yas Waterworld. The students celebrated all their hard work and success with great food, a DJ and live logo dancers!



Day 7,8 & 9

Winning Teams Visit the F1 Paddock

The award winning teams were given a behind the scenes tour of the F1 paddock over the Grand Prix weekend as part of their prize and some were lucky enough to be given exclusive tours of the team pit garages and hospitality areas.

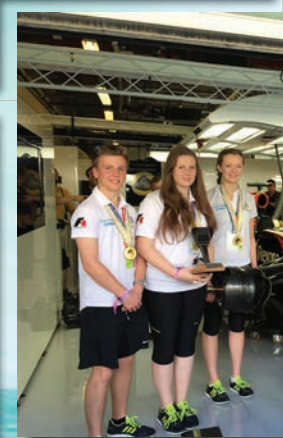


Photo by: Ralf Sichelschmidt





Photo by: Ralf Sichelschmidt

World Champions Meet Mr. Ecclestone



Colossus F1 were overwhelmed when they were presented with the Bernie Ecclestone World Champions trophy by Mr. Ecclestone himself in the Abu Dhabi F1 Paddock following the final qualifying session of the 2014 Formula 1® season.

Meeting Bernie Ecclestone was a huge privilege for the winning students and he took a great interest in their World Record breaking car, spending time chatting to the team about their success.



World Finals Singapore 2015



We are delighted to announce that the World Finals 2015 will take place at Sentosa Resorts World in Singapore just prior to the 2015 FORMULA 1 SINGAPORE GRAND PRIX in September. Al Tareq, CEO Yas Marina Circuit, Abu Dhabi pictured officially handing over the World Finals to Yvonne Low, F1 in Schools ICC, Singapore.

In Partnership with



Supported by:



Communications Partner:



Official Airline:



F1 In Schools Ltd.
Savoy Place
London WC2R 0BL
f1inschools.com

T +44 (0) 20 7344 8449 F +44 (0) 20 7344 8450 E contactus@f1inschools.com

f1inschools.com



Facebook.com/world.finals



#F1inSchoolsWF



McLAREN HONDA

