



IN SCHOOLS

**ARE YOU READY FOR THE
CHALLENGE?**

THE FORMULA ONE™ TECHNOLOGY CHALLENGE in Singapore.

www.f1inschools.com.sg

40 COUNTRIES 20 MILLION STUDENTS 1 EXPERIENCE OF A LIFETIME

\\ F1 IN SCHOOLS IN PROGRAMME!

You are a Formula One™ team commissioned to design, construct and race the fastest Formula One Car of the Future, powered by compressed air cylinders. You can be inspiring the next generation of F1 cars!

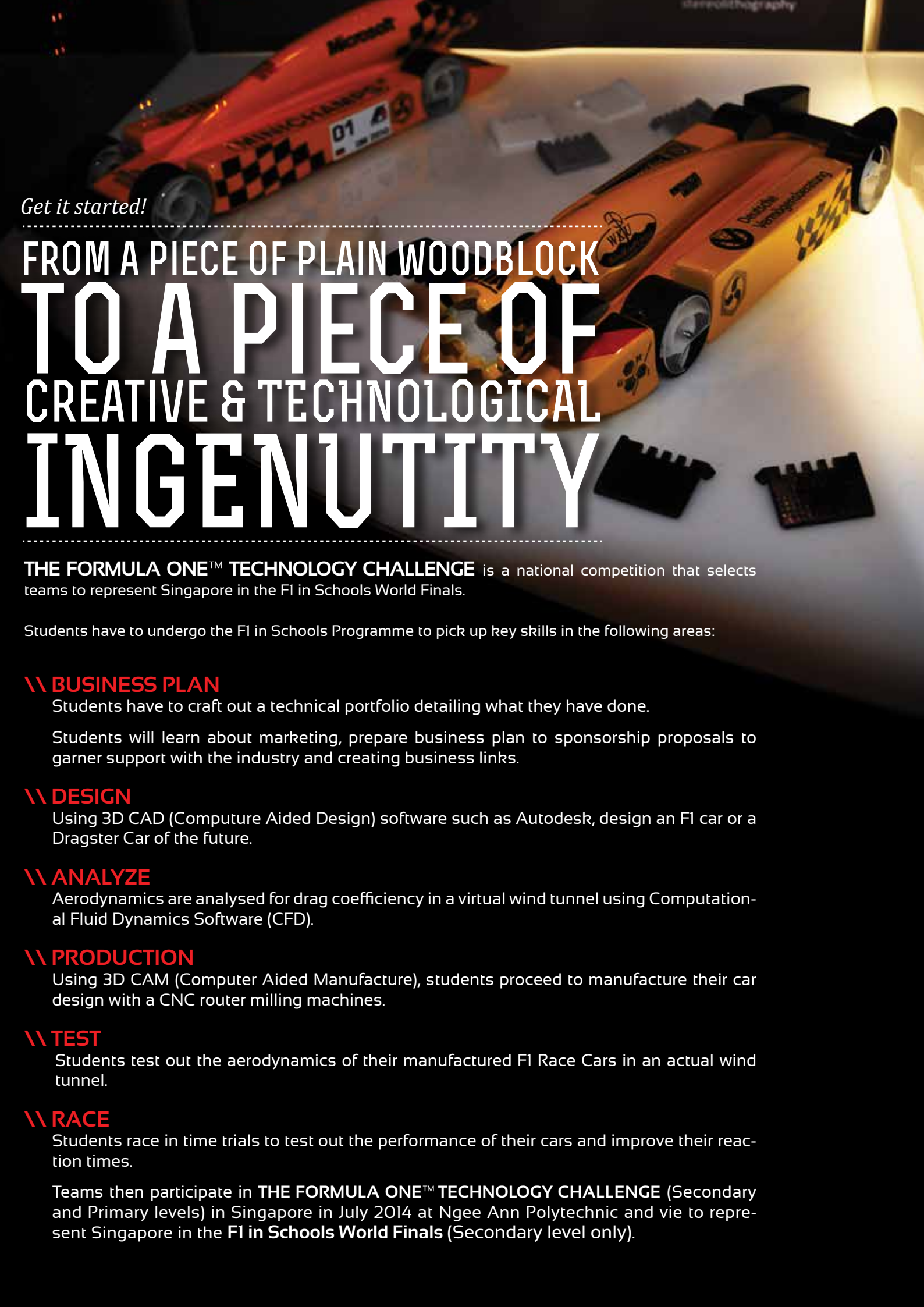
\\ BE A WORLD CHAMPION!

Compete in the The Formula One™ Technology Challenge nationally and vie for a chance to represent Singapore at the F1 in Schools World Finals to walk away with the coveted Bernie Ecclestone Trophy!

\\ EXPERIENCE IT!

Have a taste of the F1 in Schools by taking part in the F1 in Schools Experience Workshop! Experience what it takes to design and manufacture your own F1 Race Car with us in this four half-day workshop.





Get it started!

FROM A PIECE OF PLAIN WOODBLOCK TO A PIECE OF CREATIVE & TECHNOLOGICAL INGENUITY

THE FORMULA ONE™ TECHNOLOGY CHALLENGE is a national competition that selects teams to represent Singapore in the FI in Schools World Finals.

Students have to undergo the FI in Schools Programme to pick up key skills in the following areas:

\\ BUSINESS PLAN

Students have to craft out a technical portfolio detailing what they have done.

Students will learn about marketing, prepare business plan to sponsorship proposals to garner support with the industry and creating business links.

\\ DESIGN

Using 3D CAD (Computer Aided Design) software such as Autodesk, design an F1 car or a Dragster Car of the future.

\\ ANALYZE

Aerodynamics are analysed for drag coefficient in a virtual wind tunnel using Computational Fluid Dynamics Software (CFD).

\\ PRODUCTION

Using 3D CAM (Computer Aided Manufacture), students proceed to manufacture their car design with a CNC router milling machines.

\\ TEST

Students test out the aerodynamics of their manufactured F1 Race Cars in an actual wind tunnel.

\\ RACE

Students race in time trials to test out the performance of their cars and improve their reaction times.

Teams then participate in **THE FORMULA ONE™ TECHNOLOGY CHALLENGE** (Secondary and Primary levels) in Singapore in July 2014 at Ngee Ann Polytechnic and vie to represent Singapore in the **FI in Schools World Finals** (Secondary level only).

Get the experience!



INSPIRING A NEW GENERATION OF CREATIVES

F1 IN SCHOOL EXPERIENCE

12 hours Experiential Programme
\$180 per student (minimum 20 students)

Additional Competition Coaching
\$150 per instructor, per hour (minimum 40 hours)

F1 ENGINEER ELECTIVE MODULE

20 hours Elective Module
\$280 per student

25 hours Elective Module
\$300 per student

60 hours Elective Module
\$600 per student

**PROUDLY BROUGHT TO YOU BY
F1 IN SCHOOLS (SINGAPORE) PTE LTD**

THROUGH AN AUTHORISED AGENT FOR DELIVERY IN SINGAPORE

