



Formula 1 in Schools 2024 BritCham Cup Programme

March – May; with the Final Awards Competition on 25th May at the Virgin Atlantic Great British Day Out



Overview

BritCham Shanghai is launching a pilot F1 in Schools programme for International and Bilingual schools in East China. The intention is to create a full F1 in Schools programme and season for the 2024-25 school year. This will include regional and China national finals events - with winners entering the **Asia and World F1 in Schools Finals**.

Useful links:

F1 in Schools Global: [F1 IN SCHOOLS GLOBAL – Home](#)

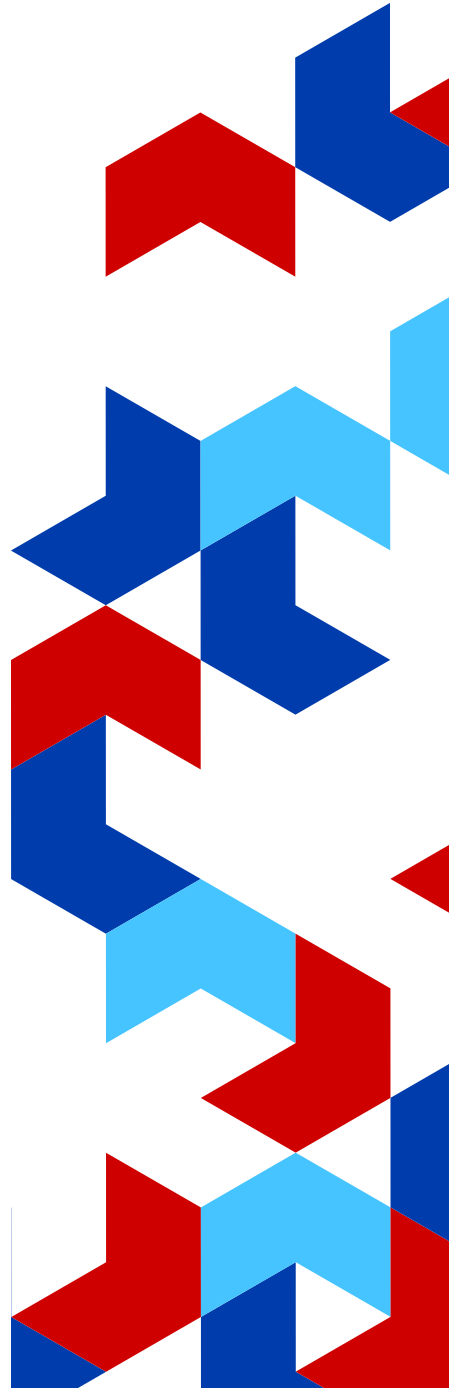
F1 in Schools UK Website: [F1 in Schools UK - STEM CHALLENGE](#)

F1 in Schools 2023 World Final Video: [F1 in Schools 2023 World Final Highlights](#)

F1 in Schools Primary Class Guidebook: [Primary Class Competition Guidebook](#)

F1 in Schools STEM Primary Project (Precursor to Primary Class): [1](#), [2](#), [3](#), [4](#), [5](#), [6](#)

F1 in Schools Primary Class Video: [Primary Class Video](#)



2024 Pilot STEM Programme and Competition

F1 in Schools is an international STEM competition where students can design, manufacture and race miniature Formula cars.

Primary class entrants might not directly engage in the full complexity of the competition. This will act as an introduction to students, in order to gauge their interest in joining next year's full competition programme.

Primary Level Programme

The ideal starting point for students hoping to progress through the classes of the competition and build a foundation to engage at higher levels. Topics and challenges include the basic concepts of design, engineering, and teamwork plus business planning and marketing.

2024-25 School Year Full Competition Programme

Building on the interest and experience from the pilot programme, we will build and promote a full season of activities leading to the national, regional and world finals. This will also expand to include the Development & Professional Programme offerings.

What is in the Challenge?

Primary School (8-11) & Secondary School (11-16) Categories

The Race

Teams consist of **three pupils** per age group.

Teams will enter a knockout competition, racing on a 20-meter track using their gas-powered cars. Each team will race twice to determine to overall winner.

Marketing, Business, Engineering & Presentation

Alongside the racing competition, teams will be judged on their portfolio, business plan, presentation and car design. These are a must on race day, where teams will present and demonstrate their work within the School Display Pit.

Teams are encouraged to collaborate with industry and create business links. This includes fun aspects such as t-shirt & baseball cap or uniform designs and additional branding items.

School Display Pit

Schools are encouraged to bring their teams together to create a school display, which they can use as an opportunity to promote the school and show off their team style!

Timeline – 3 in Person Events

Registration Period: March

25th – 31st March

Half Day - Teacher introduction including demonstrations of track set up and basics of car design and building, also covering key teaching modules.

13th-19th May

Half Day - Car model practice & sessions on car improvements, Race Day preparations, practice business pitches etc, open to teachers and team members.

25th May

Virgin Atlantic British Day Event & F1 in Schools BritCham Cup Race Day.

Additional activities

Professionals from the F1 teams and motorsport industry, related business leaders and other influencers will be arranged to support many of the key topics throughout the period. These will be hybrid - offering both in person for team captains/school rep's and online for all to engage.

Competition & Awards Overview

Awards will be given within each age category.

Primary school teams (ages 8-11) will consist of 3 pupils with two categories, and must demonstrate good understanding and presentation skills.

Secondary school teams (ages 11-16) are expected to be able to demonstrate a higher level of understanding within their portfolio, presentation and car design.

Overall Race Winner



This will be awarded to the car that receives first place in the knockout competition.

Business & Sponsorship Plan Award



Given as part of the presentation, this will be based upon the team portfolio, which should include the business plan, the way they raised sponsorship and how they connected to the businesses.

School Display Pit & Team Brand Award



Teams must demonstrate creativity with their team branding, mixing this in with their car's style, pit display and team uniform. The winners will be chosen by the BritCham Shanghai British Day attendees.

Team Spirit & Sportsmanship Award



To show the importance of community, this award will be given to the team which demonstrates the best attributes on race day, whether it's helping other teams or being a great competitor.

Car Design

Lesson overview, specifications and regulations

Car Design

How it's Made

The cars must be created using the kit supplied: F1 in Schools chassis and engine housing nets, power packs and running gear. However, teams may choose to use the F1 in Schools bodies provided or get creative and make their own, using CAD software and cutting them from 160gsm cards by hand. This will test the students further, as they must still meet the regulations that will be shared at the introductory session.

Example: Aerodynamics

Using a wind tunnel, this subject will explore the way air moves around the car body and the ways in which this may be perfected. Shown [here](#) is a demonstration of how this works.

Overview of lesson categories

- Aerodynamics
- Principals of Car Design
- Friction and Motion
- Car Manufacturing Process
- Teamwork and Roles
- Testing and Practice
- Race Day and Competition
- Reflection and Improvement
- Introduction to STEM Careers

These aim to give students a foundational understanding of F1 in Schools, STEM Principals and the importance of teamwork and problem-solving skills.

F1 in School BritCham Cup Team Package

Conditions, package details and pricing

 Lanovo
in Schools
NATIONAL FINALS

LANE 2

LANE 1

Conditions

- Two age group competitions - primary school & secondary school
- Three pupils per team – we encourage diverse and inclusive team creation
- Minimum of two teams per school
- Total number of teams required (minimum 24 – maximum 32)

Pricing

- **Member price per team** – RMB 9,995
(two teams per school minimum)
- **Non-member price per team** – RMB 13,950
(two teams per school minimum)

Note: All prices are exclusive of 6% VAT taxes.

Package includes

- **25 Car Group Starter Pack**
25 x Printed Chassis Nets, 25 x Printed Engine Housing Nets, 25 x Blank F1 Bodyshell Nets, 100 x F1 Class Wheels, 100 x Axle Bush, 25 x Axle Guides, 50 x F1 Axles & 50 x Axle Tether Line Guides
- F1 in Schools Toolkit include regulation paper, measuring and design equipment.
- Teacher entry to the Introduction workshop (1 per team).
- Team and teacher access to Test & Selection car workshop day.
- Entry to BritCham F1 in Schools Finals.
- Access to both online & offline supplementary workshops & talks.

Click here and register your teams!



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On behalf of F1 in Schools
and all our sponsors
Have a fantastic competition!



Sponsorship Opportunities

Work together with us



Title Sponsorship

Allocation: 1

Platinum Member Price: RMB 50,000

Member Price: RMB 60,000

Non-member Price: RMB 75,000

Benefits

- Headline branding throughout social media & at activities
- Judging positions in all categories
- 3-minute speaking slot at the Finals Event
- Tailored WeChat announcement (once)
- Headline branding exposure in post-event video
- Double-tent exhibition space at the Finals Event
- Brand exposure on the Trophies
- Brand exposure on the front T-shirts

Gold Sponsorship

Allocation: 3

Platinum Member Price: RMB 20,000

Member Price: RMB 25,000

Non-member Price: RMB 35,000

Benefits

- Partner branding throughout social media & at activities
- 1 Judging position
- General announcement in WeChat post (once)
- Partner branding exposure in post-event video
- One standard tent (3mx3m) exhibition space at the Finals Event
- Brand exposure on the rear of T-shirts

Note: All prices are exclusive of 6% VAT taxes.



Platinum members



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